

<b>SOLICITATION, OFFER AND AWARD</b> <b>(Construction, Alteration, or Repair)</b>	1. SOLICITATION NO.	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	VA262-12-R-0318	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	01-17-2012	1 of 77

**IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.**

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NO.
	600-12-1-5667-0410	000000

7. ISSUED BY	00262	8. ADDRESS OFFER TO
Department of Veterans Affairs Network Contracting Office 22 5901 E. 7th Street Building 149 Long Beach CA 90822		Department of Veterans Affairs Network Contracting Office 22 (Attn: Timothy Prather) 4811 Airport Plaza Drive Suite 600 Long Beach CA 90815

9. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS)
	Timothy Prather	(562) 766-2261

#### SOLICITATION

**NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".**

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

Main Bid Item: Contractor shall furnish all labor, materials, equipment and services necessary to complete the roof replacement in Buildings 48 and 5, 5901 East 7th Street, Long Beach Healthcare System, Long Beach, California. The contractor shall provide all labor, materials and equipment necessary to complete the following requirements: Remove old roofing material and non-service able underlayment, haul away waster materials, install new roof sections, clean up job site for buildings 48 and 5. All work shall be in accordance with the VA Long Beach Medical Center, State of California and Federal codes and laws and subject to the terms and conditions of the contract.

Completion Time: 30 days

Cost Range: Between \$25,000 and \$100,000

Public Law 109-461, 38 USC Sec. 8127 provides SDVOSB Set-aside authority to VA

Award is subject to availability of government funds.

To be eligible to participate in this procurement, the contractor shall be registered in the following databases:

Central Contractor Registration: <http://www.ccr.gov>

VetBiz: <http://vip.vetbiz.gov>

VETS 100: (DOL): <http://dol.gov/vets/program/fcp/main/htm>

Online Reps & Certs (ORCA): <http://orca.bpn.gov>

NAICS code: 236220

One time organized site visit is schedule for Tuesday, January 31, 2012 at 10:00 am local time starting at Bldg 5, (Front Office), 5901 East 7th Street, VA Medical Center Long Beach, CA

Final questions (RFI's) must be received prior to January 30, 2012 at 2:00 pm local time. All questions must be in writing to the Contracting Officer.

11. The Contractor shall begin performance within 10 calendar days and complete it within 30 days calendar days after receiving ☐ award, ☐ notice to proceed. This performance period is ☐ mandatory, ☐ negotiable. (See 52.211-10.)

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.)

☐ YES ☒ NO

12B. CALENDAR DAYS

13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and \_\_\_\_\_ copies to perform the work required are due at the place specified in Item 8 by 1400 (hour) local time 02-07-2012 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, the date and time offers are due
- B. An offer guarantee ☐ is, ☒ is not required.
- C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference
- D. Offers providing less than \_\_\_\_\_ calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

**OFFER(Must be fully completed by offeror)**

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		15. TELEPHONE NO. (Include area code)
		16. REMITTANCE ADDRESS (Include only if different than Item 14)
CODE	FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of the solicitation, if this offer is accepted by the Government in writing within \_\_\_\_\_ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

AMOUNTS

18. The offeror agrees to furnish any required performance and payment bonds.

**19. ACKNOWLEDGMENT OF AMENDMENTS**

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20B. SIGNATURE	20C. OFFER DATE
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**AWARD (To be completed by Government)**

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
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24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c)( ) <input type="checkbox"/> 41 U.S.C. 253(c)( ) <input type="checkbox"/>
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26. ADMINISTERED BY Department of Veterans Affairs Network Contracting Office 22 5901 E. 7th Street Building 149 Long Beach CA 90822	CODE 00262	27. PAYMENT WILL BE MADE BY Department of Veterans Affairs Financial Services Center P.O. Box 149971 Austin TX 78714-9971 PHONE: FAX:
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**CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE**

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
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30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31A. NAME OF CONTRACTING OFFICER (Type or print)
30B. SIGNATURE	30C. DATE
	31B. UNITED STATES OF AMERICA BY

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### SectionTitle

SCOPE OF WORK- Repair roof on buildings 48 and 5 at the VA Long Beach 7th street Health Care system.

## SPECIFICATIONS

### DIVISION 1 - GENERAL REQUIREMENTS

#### 10000 GENERAL REQUIREMENTS

### DIVISION 7 – THERMO AND MOISTURE PROTECTION

#### 07 51 00.11 BUILT-UP BITUMINOUS ROOFING, HOT-APPLIED

### VA Long Beach Medical Center Specific Procedures

I. Orientation for Contract Workers-Safety and Occupational Health and Infection Control II. Infection control guideline construction, renovation, repair and demolition. III. Infection control risk assessment matrix of precautions for construction and renovation.

END OF SECTION SCOPE OF WORK Repair roof on buildings 48 and 5 at the VA Long Beach 7th street Health Care system at the VA Long Beach 7th street Health Care system.

SCOPE OF WORK: The contractor shall provide all labor, materials, and equipment necessary to complete the following requirements: remove of old roofing material and non-service able underlayment, haul away waste materials, install new roof sections, clean up job site for buildings 48 and 5 at the at the VA Long Beach 7th street Health Care system. All work shall be in accordance with the VA Long Beach Medical Center, state, and Federal codes and laws, and subject to the terms and conditions of the contract.

CONTRACTING OFFICER'S REPRESENTATIVE: Whenever in these specifications the abbreviation COTR is referenced, it shall be the same as if the term Contracting Officer's Technical Representative is referenced. The COTR for this project is Tom Hendon and can be reached at (562) 826-8000.

GENERAL: All work shall be done by mechanics skilled in the type of work involved. All existing work or facilities damaged by the contractor's operations shall be repaired or replaced by the contractor at no cost to the Government. The contractor will be required to meet all local, State and Federal safety and codes standards which apply. A mandatory pre-bid job walk will be held.

LOCATION: Building 48 garden center, and building 5 engineering, Long Beach VA Hospital, 5901 East Seventh Street, Long Beach California,

**PRINCIPAL FEATURES:** The work to be performed will include but is not limited to the following items:

Building 48 Garden Center 1. Roof area approximately 3000 square feet vendor to verify. 2.

Remove existing roof down to concrete deck 3. Prime the entire roof deck with asphalt based primer 4. Install ½ inch coated fiberboard set on hot asphalt over fiberboard, install #28 base sheet set on hot asphalt at the rate of 25 pounds per 100 square feet. 5. Install two layers of primer ply #6 set on hot asphalt 6. Install 72 LBS fiberglass mineral surface cap sheet 7. Upon completion of work of this section and as condition of its acceptance, completely remove from job site all tools, equipment, debris, and surplus materials pertaining to this portion of the work.

**\*\* Note:** if there is a conflict between the above specification and the specifications listed in section “07 51 00.11 BUILT-UP BITUMINOUS ROOFING, HOT-APPLIED” the specification in section 07 51 00.11 will rule.

Building 5 engineering 1. Roof area approximately 2400 square feet vendor to verify. This is a combine square footage from two repair areas. Area one East side of building over drafting shop. Area two north side of building over southern offices on the first story. 2. Remove existing roof down to concrete deck 3. Install 50 mil “Duro-last” roof system as per manufactures specification and recommendations 4. Prime entire concrete deck using asphalt primer 5. Install 2 inch ISO insulation on “Duro-Grip” adhesive over ISO insulation, install ¼ inch “Densedeck” set on “Duro-Grip” adhesive 6. Install 50 mil “Duro-Last” membrane set on adhesive 7. Disconnect and relocate left A/C units to replace defective sheet metal cover on curbs 8. Set A/C units over new sheet metal covers and anchor down A/C unit same as found prior to removal. 9. Upon completion of work of this section and as condition of its acceptance, completely remove from job site all tools, equipment, debris, and surplus materials pertaining to this portion of the work

**DISPOSITION OF MATERIALS:** All waste materials shall be handled, transported and disposed of in accordance with applicable Federal, state and local regulations by the contractor and deposited in an approved landfill.

**SCHEDULE OF OPERATIONS:** The contractor will submit a schedule of proposed operations for approval. The schedule is subject to change so that the contractor’s work does not conflict with or otherwise disrupt normal operations of the Government.

**HOURS OF OPERATION:** All work to be provided under this contract shall be accomplished between “WEEK DAY” 7:00 A.M. to 4:30 P.M. Monday thru Friday, unless otherwise approved by the COTR. All work shall be performed in such a manner that there will be minimum interruption in, or interference with, the proper execution of VA Long Beach Medical Center business.

**CLEAN-UP:** The contractor shall clean up all debris and discarded materials resulting from his operations on a continuous to ensure the safety of people working or receiving treatment in the same area. Materials shall be handled, transported and disposed of in accordance with applicable Federal, State, and local regulations in proper containers and trucked off-site to an approved landfill.

**UTILITIES:** Water, Power and Restrooms will be available to the contractor for use. All modifications to existing utilities will be removed at the completion of the project by the contractor. It is the responsibility of the contractor to ensure the conservation of all utilities used under this contract.

**MATERIALS USED:** Unless otherwise specified all materials used for this contract shall be new and unused.

**OSHA:** All work and materials called for in the specifications will conform with the applicable OSHA standards.

**RULES OF SAFETY:** 1. All contractor and sub-contractor employees who will be performing work on the VA Long Beach Healthcare System property must complete the Federal OSHA ten hour Construction Industry Outreach course which includes: a. Introduction to OSHA b. Electrical Safety c. Fall Protection d. Excavations e. Cranes f. Materials Handling Storage Use and Disposal g. Tools-Hand and Power h. Personal Protection Equipment i. Scaffolds j. Stairways and Ladders 2. All contractor and sub-contractor personnel must attend a VA Long Beach Healthcare System safety orientation prior to the start of construction activities. 3. Dust and air flow control for the fifth floor. The contractor will seal the dumb waiter openings on the fifth floor to prevent construction dust and outside air from entering the fifth floor from the dumb waiter shafts. 4. All rules of safety which are or may be imposed upon the contractor by Federal, State or Municipal Code and applicable VA regulations shall be effectively carried out in the performance of the contract. The contractor shall complete an incident report, and provide a copy to the Long Beach COTR within 24 hours of an accident involving personal injury or property damage.

**POLLUTION ABATEMENT:** The contractor shall comply with all Federal, State, and local environmental laws and regulations. He shall avoid any disposal practices that will place the Government in a controversial position with local and federal regulation.

**ACCIDENT PREVENTION:** In order to provide safety controls for protection to the life and health of employees and other persons, for prevention of damage to property, materials, supplies and equipment and for avoidance of work interruptions in the performance of this contract, the contractor shall comply with all applicable OSHA Laws, etc. The contractor will maintain an accurate record of and will report to VA Long Beach Medical Center COTR representative any exposure data and all accidents resulting in death, traumatic injury, occupational disease and damage to property, materials, supplies and equipment incident to work performed under this contract.

**CONTRACTOR'S REPRESENTATIVE:** A competent supervisor or superintendent with the authority to act on the behalf of the contractor, must be present at the job site at all times that work is going on. The name of the supervisor or superintendent will be furnished in writing to VA Long Beach Medical Center COTR. If the supervisor or superintendent is changed during the life of the contract VA Long Beach Medical Center COTR will be notified accordingly.

**WARRANTY REQUIREMENTS:** The Contractor shall provide a one (1) year unconditional warranty for parts, material and labor provided under the scope of this work from the date of substantial completion. This will include a response time of no greater than twenty-four hours.

## **EXECUTION**

1) COTR coordinate with all departments affected by construction for access and validation of construction schedule. 2) Contractor will perform prescribed work. 3) Contractor will notify COTR when project is completed. 4) COTR will inspect work 5) Contractor will repair any deficiencies 6) COTR will approve payment

**FIELD QUALITY CONTROL:** The VA Long Beach Medical Center -COTR will provide a Visual Inspection of the work performed. Contractor will have COTR present for all pressure tests.

PROTECTION OF FINISHED WORK: 1. Provide traffic control, barricades, signs, and caution tape. 2. Do not permit personnel traffic under new work until completion of work and proper testing is completed.

## END OF SECTION SECTION 01 00 00 GENERAL REQUIREMENTS

### 1.1 GENERAL INTENTION

A. Visits to the site by Bidders may be made only by appointment with the Medical Center Engineering Officer B. All employees of general contractor and subcontractors shall comply with VA security management program and obtain permission of the VA police, be identified by project and employer, and restricted from unauthorized access. C. Prior to commencing work, general contractor shall provide proof that a OSHA certified "competent person" (CP) (29 CFR 1926.20(b)(2)) will maintain a presence at the work site whenever the general or subcontractors are present.

D. Training: 1. All employees of general contractor or subcontractors shall have the 10-hour, supervisors shall have the 30-hour OSHA certified Construction Safety course and /or other relevant competency training, as determined by VA CP with input from the ICRA team. 2. Submit training records of all such employees for approval before the start of work.

1.2 CONSTRUCTION SECURITY REQUIREMENTS A. Security Plan: 1. The security plan defines both physical and administrative security procedures that will remain effective for the entire duration of the project. 2. The General Contractor is responsible for assuring that all subcontractors working on the project and their employees also comply with these regulations. B.

Security Procedures: 1. General Contractor's employees shall not enter the project site without appropriate badge. They may also be subject to inspection of their personal effects when entering or leaving the project site. 2. For working outside the "regular hours" as defined in the contract, The General Contractor shall give 3 days notice to the Contracting Officer so that arrangements can be provided for the employees. This notice is separate from any notices required for utility shutdown described later in this section. 3. No photography of VA premises is allowed without written permission of the Contracting Officer. 4. VA reserves the right to close down or shut down the project site and order General Contractor's employees off the premises in the event of a national emergency. The General Contractor may return to the site only with the written approval of the Contracting Officer. C.

Document Control: 1. Before starting any work, the General Contractor/Sub Contractors shall submit an electronic security memorandum describing the approach to following goals and maintaining confidentiality of "sensitive information". 2. The General Contractor is responsible for safekeeping of all drawings, project manual and other project information. This information shall be shared only with those with a specific need to accomplish the project. 4. Certain documents, sketches, videos or photographs and drawings may be marked "Law Enforcement Sensitive" or "Sensitive Unclassified". Secure such information in separate containers and limit the access to only those who will need it for the project. Return the information to the Contracting Officer upon request. 5. These security documents shall not be removed or transmitted from the project site without the written approval of Contracting Officer. 6. All paper waste or electronic media such as CD's and diskettes shall be shredded and destroyed in a manner acceptable to the VA. 7. Notify Contracting Officer and Site Security Officer immediately when there is a loss or compromise of "sensitive information". 8. All electronic information shall be stored in specified location following VA standards and procedures using an Engineering Document Management Software (EDMS). a. Security, access and maintenance of all project drawings, both scanned and electronic shall be performed and tracked through the EDMS system. b. "Sensitive information" including drawings and other documents may be attached to e-mail provided all VA encryption procedures are followed. D. Motor Vehicle Restrictions 1. Vehicle

authorization request shall be required for any vehicle entering the site and such request shall be submitted 24 hours before the date and time of access. Access shall be restricted to picking up and dropping off materials and supplies. 2. Separate permits shall be issued for General Contractor and its employees for parking in designated areas only.

1.3 FIRE SAFETY A. Applicable Publications: Publications listed below form part of this Article to extent referenced. Publications are referenced in text by basic designations only. 1. American Society for Testing and Materials (ASTM): E84-2009 Surface Burning Characteristics of Building Materials 2. National Fire Protection Association (NFPA): 10-2010 Standard for Portable Fire Extinguishers 30-2008 Flammable and Combustible Liquids Code 51B-2009 Standard for Fire Prevention During Welding, Cutting and Other Hot Work 70-2011 National Electrical Code 241-2009 Standard for Safeguarding Construction, Alteration, and Demolition Operations 3.

Occupational Safety and Health Administration (OSHA): 29 CFR 1926 Safety and Health Regulations for Construction B. Fire Safety Plan: Establish and maintain a fire protection program in accordance with 29 CFR 1926. Prior to start of work, prepare a plan detailing project-specific fire safety measures, including periodic status reports, and submit to // Resident // Project // Engineer // and Facility Safety // Manager // Officer // for review for compliance with contract requirements in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES Prior to any worker for the contractor or subcontractors beginning work, they shall undergo a safety briefing provided by the general contractor's competent person per OSHA requirements. This briefing shall include information on the construction limits, VAMC safety guidelines, means of egress, break areas, work hours, locations of restrooms, use of VAMC equipment, etc. Documentation shall be provided to the Resident Engineer that individuals have undergone contractor's safety briefing. C. Site and Building Access: Maintain free and unobstructed access to facility emergency services and for fire, police and other emergency response forces in accordance with NFPA 241. D. Separate temporary facilities, such as trailers, storage sheds, and dumpsters, from existing buildings and new construction by distances in accordance with NFPA 241. For small facilities with less than 6 m (20 feet) exposing overall length, separate by 3m (10 feet). E.

Temporary Construction Partitions:

1. Install and maintain temporary construction partitions to provide smoke-tight separations between the areas that are described in phasing requirements. Construct partitions of gypsum board or treated plywood (flame spread rating of 25 or less in accordance with ASTM E84) on both sides of fire retardant treated wood or metal steel studs. Extend the partitions through suspended ceilings to floor slab deck or roof. Seal joints and penetrations. At door openings, install Class C, ¾ hour fire/smoke rated doors with self-closing devices. 3. Close openings in smoke barriers and fire-rated construction to maintain fire ratings. Seal penetrations with listed through-penetration firestop materials in accordance with Section 07 84 00, FIRESTOPPING. F. Temporary Heating and Electrical: Install, use and maintain installations in accordance with 29 CFR 1926, NFPA 241 and NFPA 70. G. Means of Egress: Do not block exiting for occupied buildings, including paths from exits to roads. Minimize disruptions and coordinate Engineer and facility Safety Officer. H. Egress Routes for Construction Workers: Maintain free and unobstructed egress. Inspect daily, and report findings and corrective actions weekly to Engineer and facility Safety Officer. I. Fire Extinguishers: Provide and maintain extinguishers in construction areas and temporary storage areas in accordance with 29 CFR 1926, NFPA 241 and NFPA 10. J. Flammable and Combustible Liquids: Store, dispense and use liquids in accordance with 29 CFR 1926, NFPA 241 and NFPA 30.

K. Existing Fire Protection: Do not impair automatic sprinklers, smoke and heat detection, and fire alarm systems, except for portions immediately under construction, and temporarily for connections. Provide fire watch for impairments more than 4 hours in a 24-hour period. Request interruptions in accordance with Article, OPERATIONS AND STORAGE AREAS, and coordinate with Engineer and facility Safety Officer. All existing or temporary fire protection systems (fire alarms, sprinklers) located

in construction areas shall be tested as coordinated with the medical center. Parameters for the testing and results of any tests performed shall be recorded by the medical center and copies provided to the Resident Engineer. L. Smoke Detectors: Prevent accidental operation. Remove temporary covers at end of work operations each day. Coordinate with Engineer and facility Safety Officer.

M. Hot Work: Perform and safeguard hot work operations in accordance with NFPA 241 and NFPA 51B. Coordinate with Engineer. Obtain permits from facility Safety Officer at least 24 hours in advance.

N. Fire Hazard Prevention and Safety Inspections: Inspect entire construction areas weekly. Coordinate with, and report findings and corrective actions weekly to Engineer and facility Safety Officer. O. Smoking: Smoking is prohibited in and adjacent to construction areas inside existing buildings and additions under construction. In separate and detached buildings under construction, smoking is prohibited except in designated smoking rest areas. P. Dispose of waste and debris in accordance with NFPA 241. Remove from buildings daily. Q. Perform other construction, alteration and demolition operations in accordance with 29 CFR 1926.

R. If required, submit documentation to the Resident Engineer that personnel have been trained in the fire safety aspects of working in areas with impaired structural or compartmentalization features. 1.4 OPERATIONS AND STORAGE AREAS A. The Contractor shall confine all operations (including storage of materials) on Government premises to areas authorized or approved by the Contracting Officer. The Contractor shall hold and save the Government, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance. B. Temporary buildings (e.g., storage sheds, shops, offices) and utilities may be erected by the Contractor only with the approval of the Contracting Officer and shall be built with labor and materials furnished by the Contractor without expense to the Government. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the work. With the written consent of the Contracting Officer, the buildings and utilities may be abandoned and need not be removed. C. The Contractor shall, under regulations prescribed by the Contracting Officer, use only established roadways, or use temporary roadways constructed by the Contractor when and as authorized by the Contracting Officer. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any Federal, State, or local law or regulation. When it is necessary to cross curbs or sidewalks, the Contractor shall protect them from damage. The Contractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads.

D. Working space and space available for storing materials shall be as determined by the Resident Engineer. E. Workmen are subject to rules of Medical Center applicable to their conduct. F. Execute work so as to interfere as little as possible with normal functioning of Medical Center as a whole, including operations of utility services, fire protection systems and any existing equipment, and with work being done by others. 1. Do not store materials and equipment in other than assigned areas. 3.

Where access by Medical Center personnel to vacated portions of buildings is not required, storage of Contractor's materials and equipment will be permitted subject to fire and safety requirements.

G. Utilities Services: Maintain existing utility services for Medical Center at all times. Provide temporary facilities, labor, materials, equipment, connections, and utilities to assure uninterrupted services. Where necessary to cut existing water, steam, gases, sewer or air pipes, or conduits, wires, cables, etc. of utility services or of fire protection systems and communications systems (including telephone), they shall be cut and capped at suitable places where shown; or, in absence of such indication, where directed by Resident Engineer. 1. No utility service such as water, gas, steam, sewers or electricity, or fire protection systems and communications systems may be interrupted without prior approval of Resident Engineer. Electrical work shall be accomplished with all affected circuits or equipment de-energized. When an electrical outage cannot be accomplished, work on any energized circuits or equipment shall not commence without the Medical Center Director's prior knowledge and written

approval. Refer to specification Sections 26 05 11, REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, 27 05 11 REQUIREMENTS FOR COMMUNICATIONS INSTALLATIONS and 28 05 11, REQUIREMENTS FOR ELECTRONIC SAFETY AND SECURITY INSTALLATIONS for additional requirements. 2. Contractor shall submit a request to interrupt any such services to Resident Engineer, in writing, 48 hours in advance of proposed interruption. Request shall state reason, date, exact time of, and approximate duration of such interruption. 3. Contractor will be advised (in writing) of approval of request, or of which other date and/or time such interruption will cause least inconvenience to operations of Medical Center. Interruption time approved by Medical Center may occur at other than Contractor's normal working hours. 4. Major interruptions of any system must be requested, in writing, at least 15 calendar days prior to the desired time and shall be performed as directed by the Resident Engineer. 5. In case of a contract construction emergency, service will be interrupted on approval of Resident Engineer. Such approval will be confirmed in writing as soon as practical. 6.

Whenever it is required that a connection fee be paid to a public utility provider for new permanent service to the construction project, for such items as water, sewer, electricity, gas or steam, payment of such fee shall be the responsibility of the Government and not the Contractor. H.

Abandoned Lines: All service lines such as wires, cables, conduits, ducts, pipes and the like, and their hangers or supports, which are to be abandoned but are not required to be entirely removed, shall be sealed, capped or plugged. The lines shall not be capped in finished areas, but shall be removed and sealed, capped or plugged in ceilings, within furred spaces, in unfinished areas, or within walls or partitions; so that they are completely behind the finished surfaces.

1.5 ALTERATIONS A. Survey: Before any work is started, the Contractor shall make a thorough survey with the Resident Engineer of buildings in which alterations occur and areas which are anticipated routes of access, and furnish a report, signed by both, to the Contracting Officer. This report shall list by rooms and spaces: 1. Existing condition and types of resilient flooring, doors, windows, walls and other surfaces not required to be altered throughout affected areas of buildings. 2. Existence and conditions of items such as plumbing fixtures and accessories, electrical fixtures, equipment, venetian blinds, shades, etc., required by drawings to be either reused or relocated, or both. 3. Shall note any discrepancies between drawings and existing conditions at site. 4. Shall designate areas for working space, materials storage and routes of access to areas within buildings where alterations occur and which have been agreed upon by Contractor and Resident Engineer. B. Any items required by drawings to be either reused or relocated or both, found during this survey to be nonexistent, or in opinion of Resident Engineer, to be in such condition that their use is impossible or impractical, shall be furnished and/or replaced by Contractor with new items in accordance with specifications which will be furnished by Government. Provided the contract work is changed by reason of this subparagraph B, the contract will be modified accordingly, under provisions of clause entitled "DIFFERING SITE CONDITIONS" (FAR 52.236 2) and "CHANGES" (FAR 52.243 4 and VAAR 852.236 88). C. Re Survey: Thirty days before expected partial or final inspection date, the Contractor and Resident Engineer together shall make a thorough re survey of the areas of buildings involved. They shall furnish a report on conditions then existing, of resilient flooring, doors, windows, walls and other surfaces as compared with conditions of same as noted in first condition survey report: 1. Re survey report shall also list any damage caused by Contractor to such flooring and other surfaces, despite protection measures; and, will form basis for determining extent of repair work required of Contractor to restore damage caused by Contractor's workmen in executing work of this contract. D. Protection: Provide the following protective measures: 1.

Wherever existing roof surfaces are disturbed they shall be protected against water infiltration. In case of leaks, they shall be repaired immediately upon discovery. 2. Temporary protection against damage for portions of existing structures and grounds where work is to be done, materials handled and equipment moved and/or relocated. 3. Protection of interior of existing structures at all times, from damage, dust and weather inclemency. Wherever work is performed, floor surfaces that are to remain in place shall be adequately protected prior to starting work, and this protection shall be maintained intact until all work in the area is completed.

1.6 INFECTION PREVENTION MEASURES A. Implement the requirements of VAMC's Infection Control Risk Assessment (ICRA) team. ICRA Group may monitor dust in the vicinity of the construction work and require the Contractor to take corrective action immediately if the safe levels are exceeded. B. Establish and maintain a dust control program as part of the contractor's infection preventive measures in accordance with the guidelines provided by Infection Control. Prior to start of work, prepare a plan detailing project-specific dust protection measures, including periodic status reports, and submit to engineer and Facility Infection Control for review for compliance with contract requirements in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. 1. All personnel involved in the construction or renovation activity shall be educated and trained in infection prevention measures established by the medical center. C. Medical center Infection Control personnel shall monitor for airborne disease (e.g. aspergillosis) as appropriate during construction. A baseline of conditions may be established by the medical center prior to the start of work and periodically during the construction stage to determine impact of construction activities on indoor air quality. In addition: 1. The RE and VAMC Infection Control personnel shall review pressure differential monitoring documentation to verify that pressure differentials in the construction zone and in the patient-care rooms are appropriate for their settings. The requirement for negative air pressure in the construction zone shall depend on the location and type of activity. Upon notification, the contractor shall implement corrective measures to restore proper pressure differentials as needed. 2. In case of any problem, the medical center, along with assistance from the contractor, shall conduct an environmental assessment to find and eliminate the source. D. In general, following preventive measures shall be adopted during construction to keep down dust and prevent mold. 1. Dampen debris to keep down dust and provide temporary construction partitions in existing structures where directed by Resident Engineer. Blank off ducts and diffusers to prevent circulation of dust into occupied areas during construction.

2. Do not perform dust producing tasks within occupied areas without the approval of the Resident Engineer. For construction in any areas that will remain jointly occupied by the medical Center and Contractor's workers, the Contractor shall: a. Provide dust proof one-hour temporary drywall construction barriers to completely separate construction from the operational areas of the hospital in order to contain dirt debris and dust. Barriers shall be sealed and made presentable on hospital occupied side. Install a self-closing rated door in a metal frame, commensurate with the partition, to allow worker access. Maintain negative air at all times. A fire retardant polystyrene, 6-mil thick or greater plastic barrier meeting local fire codes may be used where dust control is the only hazard, and an agreement is reached with the Resident Engineer and Medical Center. b. HEPA filtration is required where the exhaust dust may reenter the breathing zone. Contractor shall verify that construction exhaust to exterior is not reintroduced to the medical center through intake vents, or building openings. Install HEPA (High Efficiency Particulate Accumulator) filter vacuum system rated at 95% capture of 0.3 microns including pollen, mold spores and dust particles. Insure continuous negative air pressures occurring within the work area. HEPA filters should have ASHRAE 85 or other prefilter to extend the useful life of the HEPA. Provide both primary and secondary filtrations units. Exhaust hoses shall be heavy duty, flexible steel reinforced and exhausted so that dust is not reintroduced to the medical center. c. Adhesive Walk-off/Carpet Walk-off Mats, minimum 600mm x 900mm (24" x 36"), shall be used at all interior transitions from the construction area to occupied medical center area. These mats shall be changed as often as required to maintain clean work areas directly outside construction area at all times. d. Vacuum and wet mop all transition areas from construction to the occupied medical center at the end of each workday. Vacuum shall utilize HEPA filtration. Maintain surrounding area frequently. Remove debris as they are created. Transport these outside the construction area in containers with tightly fitting lids. e. The contractor shall not haul debris through patient-care areas without prior approval of the Resident Engineer and the Medical Center. When, approved, debris shall be hauled in enclosed dust proof containers or wrapped in plastic and sealed with duct tape. No sharp objects should be allowed to cut through the plastic. Wipe down the exterior of the containers with a damp rag to remove dust. All equipment, tools,

material, etc. transported through occupied areas shall be made free from dust and moisture by vacuuming and wipe down. f. Using a HEPA vacuum, clean inside the barrier and vacuum ceiling tile prior to replacement. Any ceiling access panels opened for investigation beyond sealed areas shall be sealed immediately when unattended. g.

There shall be no standing water during construction. This includes water in equipment drip pans and open containers within the construction areas. All accidental spills must be cleaned up and dried within 12 hours. Remove and dispose of porous materials that remain damp for more than 72 hours. h. At completion, remove construction barriers and ceiling protection carefully, outside of normal work hours. Vacuum and clean all surfaces free of dust after the removal. E.

Final Cleanup: 1. Upon completion of project, or as work progresses, remove all construction debris from above ceiling, vertical shafts and utility chases that have been part of the construction. 2. Perform HEPA vacuum cleaning of all surfaces in the construction area. This includes walls, ceilings, cabinets, furniture (built-in or free standing), partitions, flooring, etc. 3. All new air ducts shall be cleaned prior to final inspection.

**1.7 DISPOSAL AND RETENTION** A. Materials and equipment accruing from work removed and from demolition of buildings or structures, or parts thereof, shall be disposed of as follows: 2. Items not reserved shall become property of the Contractor and be removed by Contractor from Medical Center. 3.

Items of portable equipment and furnishings located in rooms and spaces in which work is to be done under this contract shall remain the property of the Government. When rooms and spaces are vacated by the Department of Veterans Affairs during the alteration period, such items which are NOT required by drawings and specifications to be either relocated or reused will be removed by the Government in advance of work to avoid interfering with Contractor's operation.

4. Copies of the following listed CFR titles may be obtained from the Government Printing Office:  
40 CFR 261 Identification and Listing of Hazardous Waste 40 CFR 262 Standards Applicable to Generators of Hazardous Waste 40 CFR 263 Standards Applicable to Transporters of Hazardous Waste 40 CFR 761 PCB Manufacturing, Processing, Distribution in Commerce, and use Prohibitions 49 CFR 172 Hazardous Material tables and Hazardous Material Communications Regulations 49 CFR 173 Shippers General Requirements for Shipments and Packaging 49 CFR 173 Subpart A General 49 CFR 173 Subpart B Preparation of Hazardous Material for Transportation 49 CFR 173

Subpart J Other Regulated Material; Definitions and Preparation TSCA Compliance Program Policy Nos. 6 PCB 6 and 6 PCB 7 1.10 REFER TO FAR CLAUSE 52.236-7, "PERMITS AND RESPONSIBILITIES," WHICH IS INCLUDED IN GENERAL CONDITIONS. A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IS REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS CONSIDERED AN "OPERATOR" UNDER THE PERMIT AND HAS EXTENSIVE RESPONSIBILITY FOR COMPLIANCE WITH PERMIT REQUIREMENTS. VA WILL MAKE THE PERMIT APPLICATION AVAILABLE AT THE (APPROPRIATE MEDICAL CENTER) OFFICE. THE APPARENT LOW BIDDER, CONTRACTOR AND AFFECTED SUBCONTRACTORS SHALL FURNISH ALL INFORMATION AND CERTIFICATIONS THAT ARE REQUIRED TO COMPLY WITH THE PERMIT PROCESS AND PERMIT REQUIREMENTS. MANY OF THE PERMIT REQUIREMENTS WILL BE SATISFIED BY COMPLETING CONSTRUCTION AS SHOWN AND SPECIFIED. SOME REQUIREMENTS INVOLVE THE CONTRACTOR'S METHOD OF OPERATIONS AND OPERATIONS PLANNING AND THE CONTRACTOR IS RESPONSIBLE FOR EMPLOYING BEST MANAGEMENT PRACTICES. THE AFFECTED ACTIVITIES OFTEN INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: -

Designating areas for equipment maintenance and repair; - Providing waste receptacles at convenient locations and provide regular collection of wastes; - Locating equipment wash down areas on site, and provide appropriate control of wash-waters; - Providing protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials; and - Providing adequately maintained sanitary facilities. **1.8 RESTORATION** A. Remove, cut, alter, replace, patch and repair existing work as necessary to install new work. Except as otherwise shown or specified, do not cut, alter

or remove any structural work, and do not disturb any ducts, plumbing, steam, gas, or electric work without approval of the Resident Engineer. Existing work to be altered or extended and that is found to be defective in any way, shall be reported to the Resident Engineer before it is disturbed. Materials and workmanship used in restoring work, shall conform in type and quality to that of original existing construction, except as otherwise shown or specified. B. Upon completion of contract, deliver work complete and undamaged. Existing work (walls, ceilings, partitions, floors, mechanical and electrical work, lawns, paving, roads, walks, etc.) disturbed or removed as a result of performing required new work, shall be patched, repaired, reinstalled, or replaced with new work, and refinished and left in as good condition as existed before commencing work. C. At Contractor's own expense, Contractor shall immediately restore to service and repair any damage caused by Contractor's workmen to existing piping and conduits, wires, cables, etc., of utility services or of fire protection systems and communications systems (including telephone) which are indicated on drawings and which are not scheduled for discontinuance or abandonment. D. Expense of repairs to such utilities and systems not shown on drawings or locations of which are unknown will be covered by adjustment to contract time and price in accordance with clause entitled "CHANGES" (FAR 52.243 4 and VAAR 852.236 88) and "DIFFERING SITE CONDITIONS" (FAR 52.236 2).

1.9 LAYOUT OF WORK A. The Contractor shall lay out the work from Government established base lines and bench marks, indicated on the drawings, and shall be responsible for all measurements in connection with the layout. The Contractor shall furnish, at Contractor's own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out any part of the work. The Contractor shall be responsible for executing the work to the lines and grades that may be established or indicated by the Contracting Officer. The Contractor shall also be responsible for maintaining and preserving all stakes and other marks established by the Contracting Officer until authorized to remove them. If such marks are destroyed by the Contractor or through Contractor's negligence before their removal is authorized, the Contracting Officer may replace them and deduct the expense of the replacement from any amounts due or to become due to the Contractor. (FAR 52.236 17)

END OF SECTION

#### SECTION 07 51 00.11 BUILT-UP BITUMINOUS ROOFING, HOT-APPLIED PART 1 - GENERAL

1.1 DESCRIPTION A. This section includes hot-applied bituminous [hybrid] built-up roofing 1.2 APPLICABLE PUBLICATIONS A. Publications listed below form a part of this specification to the extent referenced. Publications are referenced in the text by the basic designation only. Editions of applicable publications current on date of issue of bidding documents apply unless otherwise indicated. B.

American National Standards Institute/Single-Ply Roofing Institute (ANSI/SPRI): ANSI/SPRI ES-1-03 Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems C.

American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI): ASCE/SEI-7-10 Minimum Design Loads for Buildings and Other Structures D. Asphalt Roofing Manufacturers Association/National Roofing Contractors Association (ARMA/NRCA): Quality Control Guidelines for the Application of Polymer Modified Bitumen Roofing 1.3 PERFORMANCE REQUIREMENTS A.

Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience. B. Roofing Membrane System Load-Strain Properties: Provide a roofing membrane identical to component systems that have been successfully tested by a qualified independent testing and inspecting agency to meet the following minimum load-strain properties at membrane failure when tested according to ASTM D2523: 1. Tensile strain at failure, at 0 deg F (-18 deg C): 600 lbf cross machine direction, minimum. C. Roofing System Energy Performance Requirements: Provide a roofing system identical to components that that have been successfully tested by a qualified independent testing and inspecting agency to meet the following requirements: 1.4

**QUALITY CONTROL A. Installer Qualifications:** 1. Licensed or approved in writing by manufacturer to perform work under warranty requirements of this Section. 2. Employ full-time supervisors knowledgeable and experienced in roofing of similar types and scopes, and able to communicate with owner and workers. **B. Inspector Qualifications:** Inspection of work by third-party technical inspector or technical representative of manufacturer experienced in the installation and maintenance of the specified roofing system, qualified to perform roofing observation and inspection specified in Field Quality Control Article, to determine Installer's compliance with the requirements of this Project, and approved by the manufacturer to issue warranty certification. The Roofing Inspector shall be one of the following: 1. An authorized full-time technical employee of the manufacturer, not engaged in the sale of products. 2. An independent party certified as a Registered Roof Observer by the Roof Consultants Institute (RCI), retained by the Contractor or the Manufacturer and approved by the Manufacturer. **C. Product/Material Requirements:** 1. Obtain products from single manufacturer or from sources recommended by manufacturer for use with roofing system and incorporated in manufacturer's warranty. 2. Provide manufacturer's label on each container or certification with each load of bulk bitumen, indicating Flash Point (FP), Finished Blowing Temperature (FBT), Softening Point (SP), Equiviscous Temperature (EVT). 3. Provide manufacturer's certification that field applied bituminous coatings and mastics, and field applied roof coatings comply with limits for Volatile Organic Compounds (VOC) per the National Volatile Organic Compound Emission Standards for Architectural Coatings pursuant to Section 183(e) of the Clean Air Act with limits as follows: a. Bituminous Coatings and Mastics: 500 g/l (4.2 lb/gal.). b. Roof Coatings: 250 g/l (2.1 lb/gal.). **D. Pre Roofing Meeting:** 1. Upon completion of roof deck installation and prior to any roofing application, hold a pre roofing meeting arranged by the Contractor and attended by the Roofing Inspector, Material Manufacturers Technical Representative, Roofing Applicator, Contractor, and Resident Engineer. 2. Discuss specific expectations and responsibilities, construction procedures, specification requirements, application, environmental conditions, job and surface readiness, material storage, and protection. 3. Inspect roof deck at this time to: a. Verify that work of other trades which penetrates roof deck is completed. b. Determine adequacy of deck anchorage, presence of foreign material, moisture and unlevel surfaces, or other conditions that would prevent application of roofing system from commencing or cause a roof failure. c. Examine samples and installation instructions of manufacturer.

**1.5 SUBMITTALS A. Product Data:** 1. Asphalt and adhesive materials. 2. Base and ply sheet roofing and flashing membrane. 3. Roofing cement. 4. Fastening requirements. 5. Roof walkway. 6. Aggregate surfacing and surfacing adhesive. 7. Coating. 8. Ballast and protection mat. 9. Pavers. 10. Application instructions. **1.6 DELIVERY, STORAGE AND MARKING A.**

Comply with the recommendations of the NRCA "Roofing and Waterproofing Manual" applicable to built-up roofing for storage, handling and installation. **1.7 ENVIRONMENTAL REQUIREMENTS A. Weather Limitations:** Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements. **1.8 WARRANTY A.** Roofing system is subject to terms of "Warranty of Construction", FAR clause 52.246-21, except that warranty period is extended to [10] years. **PART 2 – PRODUCTS 2.1 ADHESIVE AND ASPHALT MATERIALS: A. General:** Adhesive and sealant materials recommended by roofing system manufacturer for intended use, identical to materials utilized in approved listed roofing system, and compatible with roofing membrane. 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction. **B. Water-Based Asphalt Primer:** Water-based, polymer modified, asphalt primer with the following physical properties: 1.

Asbestos Content, EPA 600/R13/116: None. 2. Volatile Organic Compounds (VOC), maximum, ASTM D 3960: 65 g/L. **C. Asphalt:** ASTM D312, Type III or IV for roof membrane. Use Type I for pour coat unless specified otherwise. **D. Cold-Applied Adhesive for membrane flashing:** One-part, cold-applied adhesive specially formulated for compatibility and use with specified roofing membranes and flashings, with the following physical properties: 1. Asbestos Content, EPA 600/R13/116: None. 2.

Volatile Organic Compounds (VOC), maximum, ASTM D 6511: <250 g/L. 3. Nonvolatile Content, minimum, ASTM D 6511: 75 percent. 4. Uniformity and Consistency, ASTM D 6511: Pass. E. Roof Cement: ASTM D4586, Type II. 2.2 MEMBRANE AND SHEET MATERIALS: A.

Membrane Materials, General: Provide combination of base, ply, and cap sheet materials that have been tested in combination and comply with load/strain properties performance requirement in Part 1 of this Section. B. Base Sheet: ASTM D 4601, Type II, nonperforated, asphalt-impregnated and coated glass-fiber sheet dusted with fine mineral surfacing on both sides, with the following properties: 1.

Breaking Strength, minimum, ASTM D 146: cross machine direction, 12.2 kN/m (70 lbf/in). 2.

Pliability, 12.7 mm (1/2 inch) radius bend, ASTM D 146: No failures. C. Base Sheet, Venting: ASTM D 4897, Type II, venting, nonperforated heavyweight, asphalt-impregnated and coated, glass-fiber base sheet with coarse granular surfacing or embossed venting channels on bottom surface. (200 lbf). E.

Ply Sheet: ASTM D2178, Type VI, heavy-duty ply sheet. 1. Breaking Strength, minimum, ASTM D 146: machine direction, 80 lbf/in (14.0 kN/m); cross machine direction, 80 lbf/in (14.0 kN/m). F. F. Cap Sheet: Same as ply sheet. G. Cap Sheet: ASTM D3909, asphalt-impregnated and -coated, glass-fiber cap sheet, with white coarse mineral-granule top surfacing and fine mineral surfacing on bottom surface. H. Cap Sheet: ASTM D6163, Grade G, Type II, glass-fiber-reinforced, SBS/SEBS/SIS modified asphalt sheet; granular surfaced; and as follows: 1. Exterior Fire-Test Exposure, ASTM E108: Class A. 2. Tensile Strength at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 24 kN/m (140 lbf/in). 3. Tear Strength at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 880 N (200 lbf). 4. Elongation at 23 deg. C (73 deg. F), minimum, cross machine direction, at 5 percent maximum load ASTM D5147: 40 percent. 5. Low Temperature Flex, maximum, ASTM D5147: -31 deg. C (-25 deg. F). I. Cap Sheet: ASTM D6163, Grade G, Type II, glass-fiber-reinforced, SBS-modified asphalt sheet; granular surfaced with a factory applied, white, reflective, acrylic coating; CRRC listed and California Title 24 Energy Code compliant; and as follows: 1. Exterior Fire-Test Exposure, ASTM E108: Class A. 2. Tensile Strength at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 12.2 kN/m (70 lbf/in). 3. Tear Strength at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 440 N (100 lbf). 4. Elongation at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 7.5 percent. 5. Low Temperature Flex, maximum, ASTM D5147, -26 deg. C (-15 deg. F). 7. Reflectance, ASTM C1549: 71 percent. 8. Thermal Emittance, ASTM C1371: 0.87. 9. Solar Reflectance Index (SRI), ASTM E1980: 87. J. Cap Sheet: ASTM D6162, Grade G, Type III, composite polyester and glass-fiber-reinforced, SBS/SEBS-modified asphalt sheet; granular surfaced with a factory applied, white, reflective, acrylic coating; CRRC listed and California Title 24 Energy Code compliant; and as follows: 1. Exterior Fire-Test Exposure, ASTM E108: Class A. 2. Tensile Strength at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 84 kN/m (480 lbf/in). 3. Tear Strength at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 330 N (750 lbf). 4. Elongation at 23 deg. C (73 deg. F), minimum, cross machine direction, ASTM D5147: 6 percent. 5. Low Temperature Flex, maximum, ASTM D5147, -26 deg. C (-15 deg. F). 7. Reflectance, ASTM C1549: 75 percent. 8. Thermal Emittance, ASTM C1371: 0.86. 9. Solar Reflectance Index (SRI), ASTM E1980: 92. K. Base Flashing Backer Sheet: ASTM D4601, Type II, asphalt-impregnated and coated, glass-fiber sheet, dusted with fine mineral surfacing on both sides. L. Base Flashing Backer Sheet: Same as ply sheet. M. Base Flashing Sheet: ASTM D6164, Grade G, Type II, polyester-reinforced, SBS-modified asphalt sheet; granular surfaced; Granule Color: White. 2.3 FASTENERS A. Roofing Fasteners: Factory-coated steel fasteners and metal or plastic plates, where applicable, meeting requirements of FM Approvals 4470, tested by fastener manufacturer for required pullout strength, and recommended by roofing manufacturer for application. B. Accessory Fasteners: Corrosion-resistant fasteners compatible with adjacent materials and recommended for application by manufacturer of component to be fastened. 2.4 SURFACING AND COATINGS A. Aggregate Surfacing, Solar Reflective: White marble aggregate, Solar Reflectance Index (SRI) when applied with specially formulated white adhesive, Hardness 3.5 Mohs. B. Aggregate Surfacing Adhesive: Cold-applied surfacing adhesive, with VOC content less than 250 g/L, formulated

for fire-resistant properties. C. Aggregate Surfacing Adhesive, Solar Reflective: One-part, white, highly reflective polymeric surfacing adhesive, CRRC listed and California Title 24 Energy Code compliant when combined with approved white gravel, with following physical properties: 1. Asbestos Content, EPA 600 R13/116: None. 2. Volatile Organic Compounds (VOC), maximum, ASTM D 6511: 250 g/L. 3. Nonvolatile Matter, minimum ASTM D 6511: 50 percent. 5. Reflectance (adhesive plus aggregate), ASTM C 1549: 71 percent. 6. Thermal emittance (adhesive plus aggregate), ASTM C 1371: 0.85. 7. Solar Reflectance Index (SRI), adhesive plus gravel, ASTM E 1980: 86. D. White Roof Coating: Intumescent, fire-retardant, Energy Star Certified, CRRC listed and California Title 24 Energy Code compliant, elastomeric, acrylic latex roof coating formulated for use on bituminous roof surfaces, with the following physical properties: 1. Asbestos Content, EPA/600/R-93/116: None. 2.

Non-Volatile Content (by weight), minimum, ASTM D 1644: 67 percent. 3. Reflectance, minimum, ASTM WK 29032: 82 percent. 4. Volatile Organic Compounds (VOC), maximum, ASTM D 3960: 155 g/L. 5. Solar Reflectance Index (SRI), ASTM E 1980: 103. 2.5 ROOF WALKWAY: A.

Prefabricated asphalt plank consisting of a homogeneous core of asphalt, plasticizers and inert fillers, bonded by heat and pressure between two saturated and coated sheets of felt: 1. Top side of plank surfaced with ceramic granules. Granule Color: White. 2. Size: Minimum 13 mm (1/2 inch) thick, manufacturer's standard size, but not less than 300 mm (12 inches) in least dimension and 600 mm (24 inches) in length. 2.6 AGGREGATE BALLAST A. Aggregate: 1. Conform to ASTM D1863. 2.

Gradation conform to ASTM D448: a. Size 2 for 146 kg/m<sup>2</sup> (30 pounds per square foot) or more. b. Size 3 for 122 kg/m<sup>2</sup> (25 pounds per square foot) or more. c. Size 5 for 73 kg/m<sup>2</sup> (15 pounds per square foot) or more. d. Size 6 for 49 kg/m<sup>2</sup> (10 pounds per square foot) or more. B.

Protection Mat: Water pervious; either woven or non woven pervious sheet of long chain polymeric filaments or yarns such as polypropylene, black polyethylene, polyester, or polyamide; or, polyvinylidene chloride formed into a pattern with distinct and measurable openings. 1. Filter fabric equivalent opening size (EOS): Not finer than the U.S.A. Standard Sieve Number 120 and not coarser than the U.S.A. Standard Sieve Number 100. EOS is defined as the number of the U.S.A. Standard Sieve having openings closest in size to the filter cloth openings. 2. Edges of fabric selvaged or otherwise finished to prevent raveling. 3. Abrasion resistance: Abrade in conformance with ASTM D3884 using rubber hose abrasive wheels with one kg load per wheel and 1000 revolutions. a. Result; 25 kg (55 pounds) minimum in any principle direction. 4. Puncture strength: ASTM D751 tension testing machine with ring clamp; steel ball replaced with a 8 mm (5/16 inch) diameter solid steel cylinder with a hemispherical tip centered within the ring clamp. a. Result; 57 kg (125 pounds) minimum. 5. Non degrading under a wet or humid condition within minimum 4°C (40°F) to maximum 66°C (150°F) when exposed to ultraviolet light. 6. Minimum sheet width: 2400 mm (8 feet). PART 3 – EXECUTION 3.1

EXAMINATION: A. Examine substrates and conditions with roofing Installer and roofing inspector to verify compliance with project requirements and suitability to accept subsequent roofing work. Correct unsatisfactory conditions before proceeding with roofing work. B. Do not apply roofing if roof

surface will be used for subsequent work platform, storage of materials, or staging or scaffolding will be erected thereon unless system is protected. 3.2 PREPARATION A. Complete roof deck

construction prior to commencing roofing work: 1. Install curbs, blocking, edge strips, nailers, cants, and other components where insulation, roofing, and base flashing is attached to, in place ready to receive insulation and roofing. 2. Complete deck and insulation to provide designed drainage to

working roof drains. 3. Document installation of related materials to be concealed prior to installing roofing work. B. Dry out surfaces, including the flutes of metal deck that become wet from any cause during progress of the work before roofing work is resumed. Apply materials to dry substrates. C.

Sweep decks to broom clean condition. Remove all dust, dirt or debris. D. Remove projections that might damage materials. E. Concrete Decks, except Insulating Concrete: 1. Test concrete decks for moisture prior to application of roofing materials. Test for capillary moisture by plastic sheet method according to ASTM D4263. 2. Test concrete decks for moisture by pouring one pint of hot bitumen at 204 degrees C (400 degrees F.) or EVT on deck at start of each day's Work and at start of each new roof area or plane. Do not proceed if test sample foams or can be easily (cleanly)

stripped after cooling. 3. Prime concrete decks, including precast units, with primer as specified. Keep primer back four inches from joints in precast units. 4. Allow primer to dry before application of bitumen. F. Existing Membrane Roofs and Repair Areas: 1. Comply with requirements in Section 07 01 50.19 PREPARATION FOR REROOFING. 2. At areas to be altered or repaired, remove loose, damaged, or cut sheet that is not firmly adhered only where new penetrations occur or repairs are required. 3. Cut and remove existing roof membrane for new work to be installed. Clean cut edges and install a temporary seal to cut surfaces. Use roof cement and one layer of 7 Kg (15 pound) felt strip cut to extend 150 mm (6 inches) on each side of cut surface. Bed strip in roof cement and cover strip with roof cement to completely embed the felt. 4. At base flashing to be repaired, either bend up cap flashing or temporarily remove cap flashing. Brush and scrape away all deteriorated sheets or surface material of base flashing. G. Fume Management for Roofing at Occupied Facilities: 1. Use fume recovery system for hot-applied installations when directed by Owner 2. Operate large fans during placement of hot-applied asphalt to direct airflow away from operating intake louvers. 3.3 HEATING BITUMEN A. Heat the asphalt to the equiviscous temperature plus or minus -4 deg. C (25 deg. F) at the time of application: 1. Do not heat asphalt greater than 38 deg. C (100 deg. F) above the equiviscous temperature. 2. When the equiviscous temperature is not furnished by the asphalt manufacturer, do not heat asphalt above 275 deg. C (525 deg. F) for Type III and IV with temperature not less than 250 deg. C (475 deg. F) at time of application. B. Do not heat bitumen above the flash point temperature. C. Provide heating kettles with a thermometer kept in operating condition. Attend kettle during heating to insure that the bitumens are heated within the temperatures specified. D. Use type III and Type IV asphalt between plies. E. Do not mix different type of asphalt in kettle. 3.4 TEMPORARY PROTECTION A. Install temporary protection at the end of day's work and when work is halted for an indefinite period or work is stopped when precipitation is imminent. Comply with approved temporary protection plan. B. Install temporary cap flashing over the top of base flashings where permanent flashings are not in place to provide protection against moisture entering the roof system through or behind the base flashing. Securely anchor in place to prevent blow off and damage by construction activities. 1. Glaze coat exposed surfaces of felts to seal within the bitumen coating. Do not leave felt surfaces or edges exposed. C. Provide for removal of water or drainage of water away from the work. D. Provide temporary protection over installed roofing by means of duckboard walkways, plywood platforms, or other materials, as approved by Resident Engineer, for roof areas that are to remain intact, and that are subject to foot traffic and damage. Provide notches in sleepers to permit free drainage. 3.5 INSTALLATION, GENERAL A. FM Approvals Installation Standard: Install roofing membrane, base flashings, wood cants, blocking, curbs, and nailers, and component materials in compliance with requirements in FM 4450 and FM 4470 as part of a membrane roofing system as listed in FM Approval's "RoofNav" for fire/windstorm classification indicated. Comply with recommendations in FM Approvals' Loss Prevention Data Sheet 1-49, including requirements for wood nailers and cants. B. NRCA Installation Standard: Install roofing system in accordance with applicable NRCA Manual Plates and NRCA recommendations, including ARMA/NRCA's "Quality Control Guidelines for the Application of Polymer Modified Bitumen Roofing" C. Manufacturer Recommendations: Comply with roofing system manufacturer's written installation recommendations. D. Coordination with related work: Coordinate roof operations with roof insulation and sheet metal work so that insulation and flashings are installed concurrently to permit continuous roofing operations. E. Installation Conditions: 1. Apply dry roofing materials. Apply roofing work over dry substrates and materials. 2. Apply materials within temperature range and surface and ambient conditions recommended by manufacturer. 3. Except for temporary protection, do not apply materials during damp or rainy weather, during excessive wind conditions, nor while moisture (dew, snow, ice, fog or frost) is present in any amount in or on the materials to be covered or installed: a. Do not apply materials when the temperature is below 4 deg. C (40 deg. F). b. Do not apply materials to substrate having temperature of 4 deg. C (40 deg. F) or less. 3.6 INSTALLATION OF BUILT-UP BITUMINOUS ROOFING A. Primer: Apply primer to substrates where recommended by roofing manufacturer, in application quantities recommended by roofing manufacturer. B. Hot Roofing Asphalt: Apply hot

roofing asphalt in quantities required, immediately followed by membrane materials embedded therein before bitumen cools below the application temperature limit. 1. Provide uniform and positive adhesion between all installed materials, including adhesion to insulation or substrate, and between each ply of felt.

2. Do not apply more material than can be covered at one time except for glaze coats. 3. Recoat cooled areas. 4. Do not allow bitumen to penetrate joints or enter building. Where mopping is applied directly to a substrate, tape joints. When applying steep asphalt, hold mopping back 50mm (2 inches) from each side of joint. C. Application Rates: 1. Between substrate and sheets and between plies: 10 to 17.5 kg per 10 sq. m (20 to 35 lbs per 100 sq. ft.). 2. Glaze coats: 7 to 11 Kg per 10 sq. m (15 to 25 lbs per 100 sq. ft.). 3. Pour coats: 25 to 30 Kg per 10 sq. m (55 to 65 lbs per 100 sq. ft.). 4.

Provide asphalt quantities within the indicated ranges, unless recommended otherwise in the roofing materials manufacturer's printed data. D. Built-Up Membrane Sheets: 1. Number of Plies: [4], minimum, including cap sheet, and not including base sheet if any. Provide additional plies as required to meet load/strain properties specified in Part 1 of this Section. 2. Commence the laying of sheets at the low points. 3. Roll sheets into hot roofing asphalt brushing down to firmly embed, free of wrinkles, fish mouths, blisters, bubbles, voids, air pockets or other defects that prevent complete adhesion: 4. Cut to fit closely around pipes, roof drains, bitumen stops, and similar roof projections. 5. Lap sheets shingle fashion starting with starter strips at right angles to slope of roof. 6. Laps for base sheet and ply sheets: a. Base sheet, lapped 50 mm (2-inches). b. Two plies with 450 mm (18-inches) and 900 mm (36-inch) starting widths, lapped 480 mm (19-inches). c. Three plies with 300 mm (12-inches) 600 mm (24-inches) and 900 mm (36-inch) starting widths, lapped 624 mm (24-1/2 inches). d. Four plies with 230, 460, 690 and 900 mm (9, 18, 27 and 36-inch) starting widths, lapped 700 mm (27-1/2 inches). e.

End joints of ply and base sheet, lapped 50 mm (2-inches). Stagger end joints in relation to joints in adjacent and proceeding plies. F. Roofing on Nailable Decks: 1. On insulating concrete, install one ply of venting base sheet with mineral aggregate surface down, nailed to deck with lap as specified and seal lap edges with roof cement. Terminate venting base sheet as follows: a. At vertical surfaces: Extend venting base sheet up vertical surface over cants to top of base flashing or curb. b. At roof edge under gravel stops install venting base sheet over blocking: Extend base sheet not less than two inches beyond outer edge and turn down so that venting can be accomplished. c. At roof edge over fascia cant: Extend base sheet over top of cant and turn down over outer face of cant to permit venting at the edge. 2.

On poured gypsum, precast gypsum plank, cement-wood fiber plank, wood plank, or plywood decks install one layer of building paper followed by base sheet. a. Apply building paper lapping ends and edges 50 mm (two inches) Lay smoothly without buckles or wrinkles. Staple or nail sufficiently to hold in place until roof membrane is installed. b. One ply of venting base sheet. Lay base sheet down dry on deck, Nail as specified. Lap as specified and seal lap edges with roof cement. G. Roof edges and terminations: 1. Where nailers occur at roof edges under gravel stops or penetrations to receive metal base flashing, apply a continuous strip of underlayment over the nailers before the first ply sheet is applied. Strip shall be installed on top of venting base sheet if any. 2. After membrane is installed, turn the underlayment back over the roofing, and secure in place with hot roofing asphalt before gravel stops or other metal flanges extending out onto the membrane are installed. 3. Where cants occur at vertical surfaces, cut off roofing sheets two inches above top of cant strips, except at prefabricated curbs, scuttles and other roof accessories having integral cants, extend membrane over cant and up vertical surface to top of curb or nailer as shown. 4. Where fascia cant occurs at roof edges, extend membrane beyond outside cant face and cut off at outside after base flashing is installed. 5.

Where reglet occurs at vertical surfaces, extend plies roofing sheets up into reglet the full depth of the reglet. H. Base Sheet Installation: 1. One ply of base sheet dry to deck, except mop between laps. Lap and attach as specified to deck. I. Venting Base Sheet Installation: 1. At vertical surfaces: Extend venting base sheet up vertical surface over cants to top of base flashing or curb. 2.

At roof edge under gravel stops install venting base sheet over blocking: Extend base sheet not less than 50 mm (2-inches) beyond outer edge and turn down to allow venting at the edge. 3. At roof edge over fascia-cant: Extend base sheet over top of cant and turn down over outer face of cant to allow venting at the edge. J. Roof Ply Installation: 1. Extend first ply sheet 100 mm (4-inches) beyond the

insulation and the second ply sheet 75 mm (3-inches) beyond the first. Lap ends 75 mm (3-inches) with joints broken 450 mm (18-inches) in each ply. K. Cap Sheet Installation: 1. Install cap sheet in a solid mopping of hot asphalt. 2. Install cap sheet in a solid application of cold-applied adhesive. 3. Extend cap sheet 100 mm (4-inches) beyond the underlying ply 75 mm (3-inches). Lap ends 75 mm (3-inches) with joints broken 450 mm (18-inches) in each ply. 3.7 BASE FLASHING: A. Prime vertical surfaces of masonry and concrete with asphalt primer except where vented base sheet is required to provide edge venting. B. Apply flashing on top of built-up roofing, up face of cant and vertical surfaces, at least 200 mm (8-inches) above the roof, full height beneath counter flashing or top of curb flashing: 1. At fascia-cants, extend to top of cant and cut off. 2. Extend plies of roofing into reglet the full depth of the reglet. C. Except at metal fascia cants, secure top edge of base flashing with nails on a line approximately one inch below top edge, spaced not more than 200 mm (8-inches) on center. 1. Cover all nail heads with roof cement. D. Install flashing using longest pieces practicable. Complete splices between flashing and main roof sheet before bonding to vertical surface. Seal splice not less than 76mm (3-inches) beyond fasteners that attach membrane to blocking. Apply bonding adhesive to both flashing and surface to which flashing is being adhered per manufacturer recommendations. Nail top of flashing 300mm (12-inches) on center under metal counter flashing or cap. 1. Parapet Walls: Extend up parapet and turn over top edge. Apply with 100 percent adhesive. E. Install flashing over cants to make system watertight. F. Install flashing before final roofing coat and aggregate are installed. 3.8 STRIPPING: A. Before the final bituminous coat and aggregate are installed, cover that portion of the horizontal flanges of metal base flashing, gravel stops and other flanges, extending onto the roofing with flashing sheet. 3.9 AGGREGATE SURFACING: A. After bituminous base flashing and stripping has been installed, uniformly coat the entire roof surface, except cants, with bitumen pour coat at the rate scheduled. B. Use type III asphalt on slopes over 1:10 (one inch per foot). C. While still hot, embed aggregate to cover the roofing sheet completely without bare spots, but not less than 20 Kg/m<sup>2</sup> (400 pounds/) of dry gravel or 15 Kg/m<sup>2</sup> (300 pounds/100 square feet) of dry slag per. Do not leave any exposed bitumen. D. Do not embed aggregate under roof walkways. E. In cold weather preheat aggregate prior to application. F. Do not place aggregate material in piles or rows on bare or glaze coated felt. G. If aggregate surfacing is delayed, promptly apply glaze coat of hot roofing asphalt at rate scheduled. 3.10 REPAIR AND ALTERATIONS TO EXISTING ROOF A. Areas to be altered or repaired, remove loose aggregate and aggregate not firmly embedded where new penetrations occur or repairs are required: 1. Remove aggregate 900 mm (3 feet) beyond areas to be cut. a. Clean, dry and store aggregate away from roof area until ready to reuse. b. Remove unsuitable and excess aggregate not used from Project. B. Cut and remove existing roof membrane for new work to be installed. Clean cut edges and install a temporary seal to cut surfaces. Use roof cement and one layer of 7 Kg (15 pound) felt strip cut to extend 150 mm (6 inches) on each side of cut surface. Bed strip in roof cement and cover with roof cement to completely embed the felt. C. Bend up cap flashing or temporarily remove at built-up base flashing to be repaired. Brush and scrape away deteriorated and loose bitumen, felts or surface material of built-up base flashing. D. Repairs to existing membrane and base flashing: 1. Remove temporary patches prior to starting new work. 2. Blisters and fish mouths: a. Cut blisters open and turn membrane back to fully adhered portion. Cut fish mouths so membrane can be turned back and subsequently laid flat. b. Heat membrane to facilitate bending and to dry surface of exposed blister areas. c. Mop turned back membrane in hot bitumen. Roll to insure full adhesion and embedment in substrate. d. Cover cut areas with two plies of felt. Extend first ply 100 mm (4-inches) beyond cut area edge. Extend second 100 mm (4 inches) beyond first ply. Mop down in hot bitumen as specified for new work. Resurface to match existing. 3. Exposed Felts: a. Cut away exposed deteriorated edges of sheets. b. Glaze coat felt edges. c. Resurface to match existing. 4. Built-up Base Flashing: a. Restore felts and cap sheet removed, lapping 100 mm (4-inches) over existing. b. Install new felts and cap sheet as specified for new work. 5. Horizontal Metal Flanges: a. Remove loose, buckled or torn stripping. b. Remove loose fasteners and install new fasteners. c. Restrip flanges as specified for new work. 6. Resurfacing: a. Over repaired membrane, embed aggregate as specified for new work. b.

Cover all membrane areas. Do not leave any exposed membrane surface. E. Match existing roofing materials and construction. Use bitumen compatible with existing for roof repair and alteration. F.

Perform alterations, maintenance and repairs to roof membrane immediately after membrane has been cut or damaged, with permanent new work as specified in this specification. Repair items damaged in surface preparation and aggregate removal. 3.11 APPLICATION OF COATING A. Apply coating on cap sheet and membrane flashings that do not meet solar reflectance requirements. B. Apply coating to built-up roofing and base flashings according to manufacturer's written instructions by spray or roller.

C. Provide dry film thickness of minimum 20 mils (0.5 mm). 3.12 INSTALLATION OF AGGREGATE BALLAST A. Install aggregate ballast as soon as roof membrane is laid. B.

Protection Mat: 1. Loose lay protection mat over roof membrane smooth and free of tension and stress without wrinkles. Do not stretch sheet. 2. Use full sheet width at perimeters with end laps held back not less than 3 m (10 feet) from roof edge at corners. 3. Lap ends not less than 300 mm (one foot). 4. Extend 50 to 75 mm (2 to 3 inches) above ballast at perimeter and penetrations. C.

Installation of aggregate: 1. Except where pavers are used, uniformly distribute aggregate over the protection mat. 3.13 PROTECTING AND CLEANING A. Protect membrane roofing system from damage and wear during remainder of construction period. B. Correct deficiencies in or remove membrane roofing system that does not comply with requirements; repair substrates; and repair or reinstall membrane roofing system to a condition free of damage and deterioration at time of acceptance by Owner. C. Clean overspray and spillage from adjacent construction. Clean membrane and restore surface to like-new condition meeting solar reflectance requirements.

--- E N D of Section ---

VA Long Beach Healthcare System Orientation for Contract Workers- Safety and Occupational Health and Infection Control

#### Important Telephone Numbers

1. Engineering and Facilities Operations Service (E&FOS): Building 5, Ext. 5410. 2. Safety and Occupational Health Manager: Building 5, Ext. 5099/5464. a. Jim Bachman, Industrial Hygiene: Ext. 3226/5464 b. Steve Mills, Radiation Safety: Ext. 2880/5464 3. Police Emergency: Building 53, ext. 5000 4. Engineering Emergency: Ext. 3713 or FOD Pager 7242-197 (24 hrs); cell – 562-577-4605. 5. Occupational Health: Building 162, Ext. 5450 6. Fire: Ext. 4444 7. Cardiac Arrest: Ext. 3333

General Information: Contract workers are expected to comply with all relevant VA Long Beach Healthcare System (VALBHS) Policies, Environment of Care Guidelines, Engineering and Facilities Operations Service (E&FOS) Standard Operating Procedures, and all federal, state and local safety, health and environmental regulations. Please contact the E&FOS or Safety Office if clarification of any policy is required. In addition, all contract workers who perform any construction, renovation or demolition activities are required to complete the OSHA 10-hr training on Construction Safety prior to beginning any project. Contractors must provide documentation to the Network Logistics Office Contracting Officer.

Other general safety requirements include:

1. Report all safety hazards to the Contract Supervisor, the VA Project/Resident Engineer, or Safety Office. 2. Always observe posted speed limits at all times; park in designated areas only. 3. Always wear hard hats, safety goggles and other protective equipment as applicable. 4. Do not use any damaged electrical cords or equipment; report to the Contract Supervisor immediately. 5. Ensure that any

penetrations produced by your work are sealed immediately, using the appropriate approved material(s).

6. If a vehicular accident occurs while on VA property which may or may not have resulted in damage to the grounds, please report it immediately to the Police at ext. 5800. 7. Egress: Follow all designated entry and exit procedures at all times; all egress pathways MUST be kept clear at all times; use only designated elevators. 8. Required signage for construction areas must be posted. This includes, but is not limited to: a. "Construction Area – Authorized personnel only," "Hard hats required," hot work permits, emergency telephone numbers/contacts b. VALBHS Emergency telephone numbers c. MSDS if relevant

Remember, the Safety Office staff has the authority to immediately cease all activities if there are serious safety violations.

**Personal Protective Equipment (PPE):** Contract workers involved in specific work activities requiring personal protective wear (e.g., hard hats, eye goggles, hearing protection, etc.) are expected to wear the required protection. The contractor is responsible for providing PPE to their employees.

**Fire Safety:** Fire safety is critical in the VALBHS, and everyone is responsible for being knowledgeable about our policies. Safety and Occupational Health staff will conduct training for all contract workers during orientation regarding our policies.

#### RACE

R = Rescue A = Pull alarm, alert other occupants, call ext. 4444 C = Contain fire (if possible), close doors E = Evacuate injured

All contractors must provide mounted fire extinguishers within their project sites.

**Hot Work:** Hot work permits must be obtained from the Safety Office prior to any operations including cutting, welding, thermal welding, brazing, soldering, grinding, thermal spraying, thawing pipe or any similar situation. Permits are to be posted outside the construction area at all times and renewed as applicable.

**Fall Prevention:** The SOP is applicable in all areas where contract workers are required to work on a walking/working surface, either horizontal or vertical, within 6 feet of an unprotected side or edge or 6 feet or more above a lower level. Fall prevention methods include: guardrails, full body harnesses, floor hole covers, and safety nets. Contractors should always perform safe practices relative to the use of ladders – e.g., not using broken ladders and not standing on the top step of the ladder.

**Confined Space Entry:** The SOP applies to all confined spaces (e.g. attics, crawl spaces, elevator hoistways, and vaults). It is designed to protect contract workers from hazards, and to regulate contractor entry into confined spaces. A confined space that requires a permit has one or more of the following: 1) contains or has a potential to contain a hazardous atmosphere; 2) contains a material that has the potential for engulfing an entrant; 3) has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls, or by a floor which slopes downward and tapers to a smaller cross section; or 4) contains any other recognized serious safety or health hazard. Safety and Occupational Health staff will conduct a survey of the space prior to any work and conduct atmospheric testing as indicated.

**Above the Ceiling Work:** Contract workers performing work above the ceiling shall obtain and submit "Above Ceiling Work Permits" on a daily basis (weekly if long-term project) to the Safety Office.

Contract workers shall fire stop any penetrations/drywall openings related to their scope of work utilizing UL approved products. Any penetrations made in a 2-hour fire wall, **MUST BE SEALED** within 24 hours and inspected by a VA representative.

**Lock-out/Tag-out:** The Project Engineer (COTR), or designee shall check any work involving “lock-out, tag-out” procedures prior to the work. Electrical wiring must never be left uncovered or unprotected during the entire course of the project.

\*\*\* All new or remodeled electrical circuits must be properly identified, according to VALBHS requirements.

**Scaffolding:** All scaffolding must be inspected by Safety before work can start

**Trenching/Excavating:** Excavations must be inspected by Safety and the contractor’s competent person before work can start.

**Plumbing and Air Conditioning:** Abandoned pipes should be removed and capped at the main feed. If the pipe remains in place, it should be clearly identified. When installing new air conditioning ductwork, old ducting should be removed. When eliminating thermostats, lines should be removed and permanently capped at the main air line and air conditioning unit.

**Infection Control:** Construction, renovation, or demolition projects in a healthcare setting can be a risk factor for certain healthcare-associated infections in patients, especially those whose immune systems are seriously compromised. Precautions must be utilized by contractors, according to the Infection Control Risk Assessment (ICRA). Please see Infection Control Guideline “Construction, Renovation, Repair and Demolition.”

**Emergency Management:** In the event of a disaster (e.g., major fire, earthquake), your Project Manager or designee must contact the Safety Office immediately for further instructions.

**Security:** All contract workers are required to wear ID badges (obtain from Police Section) at all times. The badges shall be clearly visible and in good condition. Contract workers shall check in with the VA Police (Bldg 53) prior to beginning any job. Contractors are required to park in designated areas, as defined by the Police Section.

Construction keys and padlocks are available from E&FOS prior to the beginning of a project. It is the contract Project Manager’s responsibility to ensure that project sites are locked at the end of each workday, and that padlocks and keys are returned to E&FOS at the completion of the project.

**Smoking Policy:** The VALBHS is a “no smoking” facility. This means that smoking is NOT allowed indoors, on patios, roofs and balconies, and within 25 feet of an entrance to any inside area.

**Hazard Communication:** The contractor must maintain an inventory list of all hazardous materials, including on-site MSDS, and ensure documented training of all workers regarding the proper handling and disposal of such materials. Documents must be readily available for review of Safety staff during any inspections.

**Hazardous Waste Disposal:** All hazardous waste shall be disposed of in accordance with local, state and federal laws. There must be coordination between the contractor and the VA Industrial Hygienist to ensure safe disposal.

Work-related Injuries: Any contract worker who sustain a work-related injury shall be examined by a physician in the Emergency Room (Bldg 126, first floor), with follow-up by his/her primary care provider.

Violence in the Workplace: Please call the VA Police, ext. 5000, for immediate assistance if you are faced with a potentially violent situation.

Sexual Harassment: This facility has a zero tolerance for sexual harassment. This includes such actions as telling dirty jokes, touching others inappropriately, making suggestive gestures.

We look forward to working with all of you and want to ensure that we all provide a safe environment for everyone. Please feel free to contact the Safety Office with any questions.

END OF SECTION

Long Beach Healthcare System  
One 22

Section

## INFECTION CONTROL GUIDELINE CONSTRUCTION, RENOVATION, REPAIR AND DEMOLITION Established 10/00; revised 10/04

Objective: To prevent the acquisition of healthcare-associated infections in patients, healthcare workers, visitors and contractors during healthcare system construction, renovation, repair or demolition activities.

### Policy:

1. All construction, renovation, demolition, and repair projects will be reviewed with Infection Control during the design/planning phase.
2. Infection Control will participate in meetings and area walk-through inspections on a routine basis.
3. All contractors, including subcontractors, must follow the infection control procedures as described in this guideline. Please refer to VA Office of Facilities Management "General Requirements" for further information.

### Planning Phase:

1. Infection Control will participate in design/planning as well as project kick-off meetings. The Chief, Facilities Management Service will notify Infection Control of all new projects.
2. Construction design and functional considerations for environmental infection control:
  - a. Location of sinks and dispensers for handwashing products and hand hygiene products b.
  - c. Location of fixed sharps containers c. Types of faucets (e.g., aerated vs. non-aerated; hand control vs. foot control) d.
  - e. Air handling systems engineered for optimal performance, easy maintenance and repair e.
  - f. Types of surface finishes (e.g., porous vs. non-porous) f. Well-caulked walls with minimal seams g.
  - h. Location of adequate storage and supply areas h. Appropriate location of medicine preparation areas (e.g., > 3 ft from sink) i.
  - j. Appropriate location and type of ice machines j.

Appropriate materials for sinks and wall coverings k.	Appropriate traffic flow l.
Isolation rooms with anterooms as appropriate m.	Appropriate flooring (e.g., seamless
floors in dialysis units, OR) n.	Convenient location of soiled utility
Sensible use of carpeting o.	areas p.
Properly engineered areas for linen services and solid waste management q.	Location of
main emergency generator to minimize the risk of system failure from flooding or other emergency	

3. An Infection Control Risk Assessment (ICRA) will be performed – see attachment: A multi-disciplinary ICRA team shall be established prior to each project. The goals of the team are to identify high-risk patient populations and locations and to minimize the risk for airborne infection during projects and after their completion. Suggested members include: Infection Control personnel, Laboratory personnel, Executive Management or designees, Chief, Facilities Management, Patient Safety Officer, Chiefs or designees of specialized programs (e.g., ICU, oncology, OR), Safety Manager, Chief, Environmental Care Section, Construction administrators or designees, Architects, Design Engineers, Project Managers, and Resident Engineers.

4. Appropriate Infection Control guidelines will be reviewed with VA personnel, Resident Engineers, and Project Managers during this phase for incorporation into design and construction bid packages

5. Infection Control will provide education to contractors and subcontractors during orientation and on an ongoing basis as necessary.

6. Mandatory adherence requirements for infection control should be incorporated into construction contracts, with mechanisms to ensure timely correction of deficiencies.

7. Infection Control shall monitor for airborne disease (e.g., aspergillosis) as appropriate during projects. It is recommended that a “baseline” of conditions be established prior to the beginning of the project and periodically during the project to determine impact of construction activities on indoor air quality by Infection Control and Safety. If cases of aspergillosis or other health-care-associated airborne fungal infections occur, diagnosis confirmation will be pursued with tissue biopsies and cultures as feasible. In addition:

a. Review pressure-differential monitoring documentation to verify that pressure differentials in the construction zone and in the patient-care rooms are appropriate for their settings. The requirement for negative air pressure in the construction zone shall depend on the location and type of activity. b.

Implement corrective engineering measures to restore proper pressure differentials as needed c.

Conduct a prospective search for additional cases d. If no epidemiologic evidence of ongoing transmission exists, continue routine maintenance of the area. Conduct an environmental assessment to find and eliminate the source:

1) Collect environmental samples from potential sources of airborne fungal spores, preferably by using a high-volume air sampler rather than settle plates. 2) If either an environmental source of airborne fungi or an engineering problem with filtration or pressure differentials is identified, perform corrective measures to eliminate the source and route of entry. 3) Use an EPA-registered antifungal biocide for decontaminating structural materials 4) If an environmental source of airborne fungi is not identified, review infection control measures, including engineering controls, to identify potential areas for correction or improvement

## Operational Phase

### 1. Medical Waste

a. Hospital staff shall remove any medical waste, including sharps containers, from areas to be renovated or constructed PRIOR to the start of the project. b. Infection Control shall be notified immediately if unexpected medical waste is encountered.

2. Temporary Construction Barriers: Construction, demolition, or renovation sites must be separated from patient-care areas and critical areas such as SPD and Pharmacy, by barriers that keep the dirt and dust inside the worksite.

a. The integrity of the temporary construction barriers must assure a complete seal of the construction area from adjacent areas. b. If walls are used as temporary construction barriers, they shall be constructed of gypsum board or treated plywood (flame spread rating of 25 or less in accordance with ASTM E84) on both sides of wood or metal steel studs. Walls shall be extended through suspended ceilings to floor slab/deck or roof. All joints and penetrations must be sealed. Other barriers may be used upon approval by the Resident Engineers, Infection Control and Safety.

### 3. Environmental Control

a. External demolition and construction activities

1) Determine if the facility can operate temporarily on recirculated air; if feasible, seal off adjacent air intakes 2) If this is not possible or practical, check the low-efficiency filter banks frequently and replace as needed to avoid buildup of particulates 3) Seal windows and reduce wherever possible other sources of outside air intrusion (e.g., open doors in stairwells and corridors) 4) Avoid damaging the underground water system to prevent soil and dust contamination of the water

b. Internal construction, repairs and renovations

1) Relocate patients whose rooms are adjacent to work zones, depending on their immune status, the scope of the project, the potential for generation of dust or water aerosols, and the methods used to control these aerosols. 2) Ensure proper operation of the air-handling system in the affected area after erection of barriers and before the room or area is set to negative pressure. Return air vents should be sealed off and blocked if rigid barriers are used for containment 3) Create and maintain negative air pressure in work zones adjacent to patient-care areas and ensure that required engineering controls are maintained. 4) A HEPA (High Efficiency Particulate Accumulator) filter vacuum system rated at 95% capture of 0.3 microns shall be utilized. Ensure that negative air pressures occur within the work area. HEPA filtration is required where the exhaust dust may reenter the breathing zone. HEPA filters should have ASHRAE 85 or other prefilter to extend the useful life of the HEPA. Exhaust hoses shall be heavy duty, flexible steel reinforced and exhausted so that dust is not reintroduced into the facility. 5)

Negative airflow shall be monitored inside the rigid barriers. 6) Barriers shall be monitored to ensure their integrity; any gaps or breaks in barrier joints shall be repaired immediately. 7)

Windows in work zones shall be sealed if practical; use window chutes for disposal of large pieces of debris as needed, but ensure that the negative pressure differential for the area is maintained. 8)

In patient care areas, for major repairs that include removal of ceiling tiles and disruption of the space above the false ceiling, use plastic sheets or prefabricated plastic units to contain dust; use negative air pressure systems within this enclosure to remove dust; and either pass air through an industrial-grade portable HEPA filter capable of filtration rates of 300-800 ft<sup>3</sup>/min., or exhaust air directly to the outside away from any air intake devices.

### 4. Traffic Control

a. Designated entry and exit procedures will be defined (in conjunction with any necessary Interim Life Safety Measures) for each construction project where applicable. b. All egress pathways will be free of debris. c. Unauthorized personnel will not be allowed to enter the construction zone. d. Only designated elevators will be used for construction activities during scheduled times.

## 5. Cleaning

a. The construction zone and adjacent entry areas shall be maintained by the contractor in a clean and sanitary manner and will be swept and wet mopped daily or more frequently as needed to minimize dust generation. Vacuum utilizing HEPA filtration. Area shall be maintained frequently, and debris shall be removed as they are created. b. Debris shall not be hauled through patient-care areas without prior approval of the Resident Engineer, Infection Control, and Safety. When approved, debris shall be hauled in enclosed dust-proof containers or wrapped in plastic and sealed with duct tape. No sharp objects shall be allowed to cut through the plastic. Wipe down the exterior of the containers with a damp rag to remove dust. c. Adhesive walk-off/carpet walk-off mats, minimum 24" x 36" shall be used at all interior transitions from the construction area to occupied Healthcare System areas. These mats shall be changed as often as required to maintain clean work areas directly outside the construction area. Other methods may be utilized as approved by Infection Control and the Resident Engineers. d. There shall be no standing water during construction. This includes water in equipment drip pans and open containers within the construction areas. All accidental spills must be cleaned up and dried within 12 hours. Remove and dispose of porous materials that remain damp for more than 48 hours. Please refer to Infection Control "Indoor Air Quality" guideline for additional information. e. Environmental Care Service will be responsible for the routine cleaning of adjacent areas and for the terminal cleaning of the construction zone prior to the opening of the newly renovated or constructed area. Specific responsibility will be defined in the construction contract.

## 6. Contract Personnel Requirements

a. Clothing shall be free of loose soil and debris upon exiting the construction zone. b. Personal protective equipment, including face shields, gloves, and N95 respirators will be utilized as appropriate for the task at hand. Contractors are responsible for providing personal protective equipment. c. Contractors entering sterile/invasive procedure areas will be provided with a disposable jump suit, head covering, and shoe coverings that must be removed prior to exiting the work area. Tools and equipment must be damp-wiped prior to entry and exit from sterile and invasive procedure areas d. All equipment, tools, material, etc. transported through occupied areas shall be made free from dust and moisture by vacuuming and wipe down. Tools and equipment soiled with blood and body fluids will be cleaned with an approved germicide.

## 7. Environmental Monitoring

a. Infection Control, in conjunction with Facilities Management and Safety, will plan for environmental monitoring as appropriate for the project.

b. There is no current CDC recommendation regarding routine microbiologic air sampling before, during or after construction, or before or during occupancy of areas housing immunocompromised patients. Infection Control will provide for baseline and periodic sampling as needed. Completion Phase:

1. After completion of construction, ventilation will meet specifications as mandated by regulatory bodies. Restore HVAC, humidity and pressure differentials; replace spent filters with new filters.

2. The area will be thoroughly cleaned and disinfected before being placed into service.
3. Potable water supply lines will be flushed before placing newly renovated or constructed areas into service. The construction contractor shall certify that the potable water is safe for use.
4. The ICRA team will submit a final report to the Chief, Facilities Management regarding the compliance/noncompliance of Infection Control precautions during the project.

#### Compliance Monitoring

1. Healthcare System staff (Project Engineer, Safety, Industrial Hygiene, Infection Control), Resident Engineers, and the contractor (or designee) will conduct compliance monitoring as necessary. The following parameters will be monitored:
  - a. Air handling
  - b. Integrity of temporary construction barriers
  - c. Dress code
  - d. Environmental control
  - e. Noise
  - f. Traffic control
  - g. Personal protective equipment
  - h. Water supply

Attachments: Will be issues at the preconstruction meeting, which will be an agenda item. Infection Control Inspection Form

#### References:

CDC "Guidelines for Environmental Infection Control in Health-Care Facilities," 2003 VACO PM and RE Handbooks  
END OF SECTION

#### INFECTION CONTROL RISK ASSESSMENT MATRIX OF PRECAUTIONS FOR CONSTRUCTION AND RENOVATION Established 8/03

#### POLICY

An Infection Control Risk Assessment (ICRA) will be performed by Infection Control, the VA Project Manager or designee, and the Contractor prior to the start of the project. The purpose of the ICRA is to provide a safe environment for patients, staff, visitors, and contractors during any demolition/renovation/construction project.

1.1 GENERAL INTENTION Contractor shall submit for CO approval, written certification that all contract employees assigned to the work site have had a pre-placement tuberculin screening within 90 days prior to assignment to the worksite with results showing negative TB screening reactions. Contractors shall submit for CO approval documentation of negative TB screening reactions for any additional proposed workers, after the 90-day requirement before they will be allowed to work on the worksite. Records shall be approved by Contractor Officer prior to commencing of work and at least one week prior to plan start date. Only those contract employees who passed TB screening as demonstrated by approved records shall be provided Contractor Security Badge.

#### PROCEDURE

Step 1: Using the following table, identify the type of Construction Project Activity (A-D)

Type A –Inspection and Non-Invasive Activities Including but not limited to: 1. Removal of ceiling tiles for visual inspection and immediate replacement 2. Painting (but not sanding) 3. Wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceiling other than for visual inspection

Type B – Small scale, short duration activities that create minimal dust Including but not limited to: 1. Installation of telephone and computer cabling 2. Access to chase spaces 3. Cutting of walls or ceilings where dust migration can be controlled

Type C – Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies Including but not limited to: 1. Sanding of walls for painting or wall covering 2. Removal of floor coverings, ceiling tiles, and casework 3. New wall construction 4. Minor duct work or electrical work above ceilings 5. Major cabling activities 6. Any activity which cannot be completed within a single work shift

Type D - Major demolition and construction projects Including but not limited to: 1. Activities which require consecutive work shifts 2. Activities which require heavy demolition or removal of a complete cabling system 3. New construction

Step 2: Using the following table, identify the Patient Risk Group that will be affected; if more than one risk group will be affected, select the higher risk group:

Low Risk: - Office areas

Medium Risk: - Cardiology - Echocardiography - Endoscopy - Nuclear Medicine - Physical Therapy - Imaging - Respiratory Therapy - Ambulatory Care - PM&R

High Risk - Laboratories (specimen) - Pharmacy - Post-Anesthesia Care Unit (PACU) - Nursing Units - Emergency Room

Highest Risk - Any area caring for immunocompromised patients - Supply Processing and Distribution (SPD) - Negative pressure isolation rooms - Oncology - Operating rooms - Cardiac Cath Lab - Intensive Care Units Step 3: Match the planned Construction Type (A, B, C, or D) with the Patient Risk Group (low, medium, high or highest) on the IC Matrix to find the Class of Precautions (I, II, III or IV) or level of infection control activities required. Classes of precautions are described as follows:

IC Matrix: Class of Precautions for Construction Projects by Patient Risk

Patient Risk Group		Construction Type			
		Type A	Type B	Type C	Type D
Lowest Risk	I	II	II	III/IV Medium Risk	I
III	IV High Risk	I	II	III/IV	IV Highest Risk
II	III/IV	III/IV	IV		

Required Infection Control Precautions during the Construction Project by Class:

Class I: 1. Execute work by methods to minimize raising dust from construction operations 2. Immediately replace a ceiling tile displaced for visual inspection 3. Traffic: Decrease exposure of patients to construction 4. Water: If necessary, schedule interruptions during low activity

Class II: In addition to points for Class I 1. Provide active means to prevent airborne dust from dispersing into the atmosphere 2. Water mist work surfaces to control dust while cutting 3. Seal unused doors with duct tape 4. Block off and seal air vents 5. Place walk-off mats at work areas. Mats must be kept wet with amended water during the work hours to prevent tracking of construction dust into surrounding areas. 6. Seal or isolate HVAC system in areas where work is being performed

Class III: In addition to points for Class I and II

1. Complete all critical barriers, i.e. sheetrock, plywood, plastic, or implement the control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for cleaning prior to exit) to seal the area before construction begins 2. Maintain negative air pressure within the work site utilizing HEPA-equipped air filtration units 3. Contain construction waste before transport in tightly covered containers 4. Cover transport receptacles or carts. Tape covering unless the cart has a solid lid

Class IV: In addition to points for Class I, II and III

1. Relocate patients away from construction areas 2. Isolate HVAC system in area where work is being done to prevent contamination of the duct system 3. Seal holes, pipes, conduits, and punctures appropriately 4. Construct anteroom and require all construction personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving the work site or they can wear cloth or paper coveralls that are removed each time they leave the work site 5. Do not remove barriers from the work area until the completed project is inspected by the VAHS Safety Office and the Infection Control Coordinator and thoroughly cleaned by Environmental Care Section.

Upon Completion of Project:

Class I: N/A

Class II: 1. Clean and wipe work surfaces with hospital approved disinfectant 2. Contain construction waste before transport in tightly covered containers 3. Wet mop and/or vacuum with HEPA-filtered vacuum before leaving the work area 4. Remove isolation of HVAC system from work area

Class III: Do not remove barriers from work area until completed project is inspected by the Safety Office and Infection Control Coordinator and the area is thoroughly cleaned by Environmental Care Section. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction Vacuum work area with HEPA-filtered vacuums Wet mop area with hospital approved disinfectant Remove isolation of HVAC system in area where work is being performed

Class IV: 1. Remove barrier material carefully to minimize spreading of dirt and debris associated with construction 2. Contain construction waste before transport in tightly covered containers 3. Cover transport receptacles or carts. Tape covering unless solid lid 4. Vacuum work area with HEPA-filtered vacuums 5. Wet mop area with hospital approved disinfectant 6. Remove isolation of HVAC system in area where work was performed REFERENCES

A. Centers for Disease Control and Prevention – Health Care Infection Control Practice Advisory Committee (HIPAC) Draft Guidelines for Environmental Infection Control in Healthcare Facilities, 2001

B. APIC, State of the Art Report: The Role of Infection Control During Construction in Health Care Facilities; AJIC, April 2000.

C. Department of Veterans Affairs, Emerging Pathogens Initiative; Effective Involvement in Planning, Design and Construction of Health Care Facilities; September 1998

D. The American Institute of Architects (AIA), Guidelines for Design and Construction of Hospital and Health Care Facilities; 2001

END OF SECTION

#### SPECIAL NOTICE

**AVAILABILITY OF FISCAL YEAR 2012 FUNDS** The Government's obligation under this solicitation is contingent upon the availability of congressionally appropriated Fiscal Year 2012 funds from which contract award may be made. No legal liability on the part of the Government for contract award may arise until funds are made available, with notice issued in writing, by the Contracting Officer.

**PAST PERFORMANCE** During contract administration, the government shall prepare and submit assessments on contractor performance for contracts and orders in excess of the simplified acquisition threshold (\$550,000 or more for construction; \$30,000 or more for architect-engineer service contracts)

(see FAR Subpart 42.1502) by electronic submission to NIH CPS, which automatically transmits the information to PPIRS.

DESCRIPTION OF WORK Cost Range: Between \$25,000 and \$100,000.

#### PREPROPOSAL CONFERENCE AND JOB SITE FAMILIARIZATION

January 31, 2012 at 10:00 a.m. local time

VA Long Beach Healthcare System 5901 East 7th Street Building 5 Long Beach, CA 90822

#### PROPOSAL SUBMISSION

Note: All Requests for Information (RFIs) regarding this RFP must be submitted in writing to the Contracting Officer and must be received at least ten (10) calendar days in advance of the offer due date

in order to allow replies to reach all prospective offerors in a timely manner. Oral explanations given before award are not binding.

The Government intends to Award to the Lowest Priced Technically Acceptable proposal (FAR 15.101-2) without discussions, but reserves the right to enter into discussions if so determined to be in the best interest of the Government. Offerors are to submit their proposal with the Technical and Price sections each separate and independent from the other. Offerors shall prepare Technical Proposals with the Selection Criteria and Evaluation Factors in mind, in terms of both content and organization, to facilitate evaluation. Only electronic proposals in MS Word or PDF format on a CD with hardcopies of original bonds will be accepted.

## PROPOSAL EVALUATION

The Contracting Officer, with the assistance of a qualified Technical Evaluator, will evaluate Technical Proposals to determine the offeror's ability to accomplish the work as set forth in this solicitation, i.e., Technical Acceptability. Technical evaluation will be based solely on the evaluation factors and criteria defined below. It is intended that a best value award will be made to the lowest price, technically acceptable offer, as per FAR 15.101-2; therefore all offerors are advised that their best terms and conditions, both technical and price, should be presented in their initial proposals. Offerors are advised that exchanges (including discussions/negotiations) may occur if deemed necessary. Any such exchanges shall be conducted in accordance with FAR 15.306.

Offerors are advised that in addition to information provided in Technical Proposals, Past Performance Evaluation will be conducted using information obtained from the Past Performance Information Retrieval System (PPIRS). Offerors are advised that in accordance with FAR 15.305 (a) (iv) offerors without a record of relevant past performance may not be evaluated favorably or unfavorably. In addition, offerors may provide information on problems encountered in past performance and corrective actions taken, FAR 15.305 (a) (ii). However, the government reserves the right to obtain past performance information from any available source and may contact customers other than those identified by the offeror when evaluating past performance.

## TECHNICAL SELECTION CRITERIA (EVALUATION FACTORS)

- I. General Contractor's License - This factor will be evaluated on whether or not the offeror has a general contractor's license issued by any United States federal, state, or local government agency.
- II. Previous Experience With Healthcare Environments - This factor will be evaluated on the basis of demonstrated knowledge and experience performing construction activities in a functioning, operating Veterans' Affairs Hospital/Clinic or other federal government Hospital/Clinic environment as a prime contractor.
- III. Past performance - This factor will be evaluated by information obtained from the Past Performance Information Retrieval System (PPIRS) and response from points of contact for submitted projects demonstrating knowledge and experience (see II above).

## PROPOSAL PREPARATION: TECHNICAL PROPOSALS SHALL ADDRESS THE FOLLOWING:

### I. Contractor License

Demonstrate experience performing construction activities by providing evidence of a currently active General Contractor's license issued by any United States federal, state, or local government agency.

## II. Previous Experience with Healthcare Environments

Demonstrate knowledge and experience performing construction activities in a functioning/operating Veterans Affairs or other federal government hospital/clinic environment by providing information for three (3) such projects of similar size and scope completed within the last six years as the prime contractor. Scope includes safety and quality assurance procedures and the installation of equipment. This experience will be verified via the following included information:

☐ Project title and identification number ☐ Project description and scope ☐ Project size and dollar amount ☐ Project point of contact/COTR – name, phone number, email, and company address

## III. Past Performance

The Past Performance Information Retrieval System (PPIRS) will be queried and comments on performance will be obtained from points of contact for submitted projects in evaluation factor II. However, the government reserves the right to obtain past performance information from any available source and may contact customers other than those identified by the offeror when evaluating past performance.

Davis Bacon Wage Rates

General Decision Number: CA120033 01/06/2012 CA33

Superseded General Decision Number: CA20100033

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

County: Los Angeles County in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS

Modification Number    Publication Date    01/06/2012

ASBE0005-002 06/28/2010

Rates        Fringes

Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems).....\$ 32.79        16.31 Fire Stop Technician (Application of Firestopping Materials for wall openings and penetrations in walls, floors, ceilings and curtain walls).....\$ 24.21        13.76 -----  
ASBE0005-004 06/28/2010

Rates        Fringes

Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)....\$ 18.70        8.65 -----  
----- BOIL0092-003 05/01/2011

Rates        Fringes

BOILERMAKER.....\$ 41.26        25.27 -----  
- \* BRCA0004-007 05/01/2011

Rates        Fringes

BRICKLAYER; MARBLE SETTER.....\$ 36.41        12.40

\*The wage scale for prevailing wage projects performed in Blythe, China lake, Death Valley, Fort Irwin, Twenty-Nine Palms, Needles and 1-15 corridor (Barstow to the Nevada State Line) will be Three Dollars (\$3.00) above the standard San Bernardino/Riverside County hourly wage rate -----  
----- \* BRCA0018-004 06/01/2011

Rates        Fringes

MARBLE FINISHER.....\$ 28.02        12.22 TILE FINISHER.....\$ 27.80        12.54  
TILE LAYER.....\$ 38.61        13.83 -----  
BRCA0018-010 09/01/2009

Rates        Fringes

TERRAZZO FINISHER.....\$ 26.59      9.62 TERRAZZO WORKER/SETTER.....\$ 33.63  
 10.46 ----- \* CARP0409-001 07/01/2010

Rates      Fringes

CARPENTER (1) Carpenter, Cabinet Installer, Insulation Installer, Hardwood Floor Worker and  
 acoustical installer, and solar panels.\$ 37.35      11.08 (2) Millwright.....\$ 37.85      11.08 (3)  
 Piledriver/Derrick Bargeman, Bridge or Dock Carpenter, Heavy Framer, Rock Bargeman or Scowman,  
 Rockslinger, Shingler (Commercial).....\$ 37.48      10.58 (3) Piledrivermen/Derrick Bargeman,  
 Bridge or Dock Carpenter, Heavy Framer, Rock Bargeman or Scowman, Rockslinger, Shingler  
 (Commercial).....\$ 37.48      11.08 (4) Pneumatic Nailer, Power Stapler.....\$ 37.60  
 11.08 (5) Sawfiler.....\$ 37.44      11.08 (6) Scaffold Builder.....\$ 28.55      11.08 (7) Table  
 Power Saw Operator.....\$ 37.45      11.08

FOOTNOTE: Work of forming in the construction of open cut sewers or storm drains, on operations in  
 which horizontal lagging is used in conjunction with steel H-Beams driven or placed in pre- drilled holes,  
 for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms  
 (which work is performed by piledrivers): \$0.13 per hour additional. Certified Welder - \$1.00 per hour  
 premium. ----- CARP0409-002 07/01/2008

Rates      Fringes

Diver (1) Wet.....\$ 663.68      9.82 (2) Standby.....\$ 331.84      9.82 (3)  
 Tender.....\$ 323.84      9.82 (4) Assistant Tender.....\$ 299.84      9.82

Amounts in "Rates" column are per day -----  
 CARP0409-005 07/01/2010

Rates      Fringes

Drywall DRYWALL INSTALLER/LATHER....\$ 37.35      11.08 STOCKER/SCRAPPER.....\$  
 10.00      6.67 ----- CARP0409-008 08/01/2010

Rates      Fringes

Modular Furniture Installer.....\$ 17.00      7.41 -----  
 ELEC0011-004 07/25/2011

Rates      Fringes

ELECTRICIAN (INSIDE ELECTRICAL WORK) Journeyman Electrician.....\$ 36.45      23.26  
 ELECTRICIAN (INTELLIGENT TRANSPORTATION SYSTEMS Street Lighting, Traffic Signals,  
 CCTV, and Underground Systems) Journeyman Transportation Electrician.....\$ 36.25      23.46  
 Technician.....\$ 27.19      23.19

FOOT NOTE: CABLE SPLICER & INSTRUMENT PERSON: Recieve 5% additional per hour above  
 Journeyman Electrician basic hourly rate. TUNNEL WORK: 10% additional per hour.

SCOPE OF WORK - TRANSPORTATION SYSTEMS

**ELECTRICIAN:** Installation of street lights and traffic signals,including electrical circuitry, programmable controllers, pedestal-mounted electrical meter enclosures and laying of pre-assembled multi-conductor cable in ducts, layout of electrical systems and communication installation, including proper position of trench depths and radius at duct banks, location for man holes, pull boxes, street lights and traffic signals. Installation of underground ducts for electrical,telephone, cable television and communication systems. Pulling,termination and splicing of traffic signal and street lighting conductors and electrical systems including interconnect,detector loop, fiber optic cable and video/cable.

**TECHNICIAN:** Distribution of material at job site, manual excavation and backfill, installation of system conduits and raceways for electrical, telephone, cable television and communication systems. Pulling, terminating and splicing of traffic signal and street lighting conductors and electrical systems including interconnect, detector loop, fiber optic cable and video/data. -----  
----- \* ELEC0011-005 07/25/2011

**COMMUNICATIONS & SYSTEMS WORK** (excludes any work on Intelligent Transportation Systems or CCTV highway systems)

Rates	Fringes
Communications System Installer.....\$ 27.25 10.53+3%	11.35 Technician.....\$ 29.05

**SCOPE OF WORK** The work covered shall include the installation, testing, service and maintenance, of the following systems that utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for TV monitoring and surveillance, background foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms and low voltage master clock systems.

A. Communication systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems SCADA (Supervisory control/data acquisition PCM (Pulse code modulation) Inventory control systems Digital data systems Broadband & baseband and carriers Point of sale systems VSAT data systems Data communication systems RF and remote control systems Fiber optic data systems

B. Sound and Voice Transmission/Transference Systems Background-Foreground Music Intercom and Telephone Interconnect Systems Sound and Musical Entertainment Systems Nurse Call Systems Radio Page Systems School Intercom and Sound Systems Burglar Alarm Systems Low-Voltage Master Clock Systems Multi-Media/Multiplex Systems Telephone Systems RF Systems and Antennas and Wave Guide

C. \*Fire Alarm Systems-installation, wire pulling and testing.

D. Television and Video Systems Television Monitoring and Surveillance Systems Video Security Systems Video Entertainment Systems Video Educational Systems CATV and CCTV

E. Security Systems, Perimeter Security Systems, Vibration Sensor Systems Sonar/Infrared Monitoring Equipment, Access Control Systems, Card Access Systems

\*Fire Alarm Systems 1. Fire Alarms-In Raceways: Wire and cable pulling in raceways performed at the current electrician wage rate and fringe benefits. Installation and termination of devices, panels, startup,

testing and programming performed by the Technician. 2. Fire Alarms-Open Wire Systems: installed by the Technician. ----- ELEC1245-001 06/01/2011

Rates Fringes

LINE CONSTRUCTION (1) Lineman; Cable splicer..\$ 47.87 13.87 (2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....\$ 38.23 12.80 (3) Groundman.....\$ 29.25 12.53 (4) Powderman.....\$ 42.75 12.97

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day -----  
----- ELEV0018-001 01/01/2011

Rates Fringes

ELEVATOR MECHANIC.....\$ 46.58 21.785

FOOTNOTE: PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service. PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day. -----  
----- ENGI0012-003 07/01/2011

Rates Fringes

OPERATOR: Power Equipment (All Other Work) GROUP 1.....\$ 36.13 20.77 GROUP 2.....\$ 36.91 20.77 GROUP 3.....\$ 37.20 20.77 GROUP 4.....\$ 38.69 20.77 GROUP 5.....\$ 40.49 20.77 GROUP 6.....\$ 38.91 20.77 GROUP 8.....\$ 39.02 20.77 GROUP 9.....\$ 40.82 20.77 GROUP 10.....\$ 39.14 20.77 GROUP 11.....\$ 40.94 20.77 GROUP 12.....\$ 39.31 20.77 GROUP 13.....\$ 39.41 20.77 GROUP 14.....\$ 39.44 20.77 GROUP 15.....\$ 39.52 20.77 GROUP 16.....\$ 39.64 20.77 GROUP 17.....\$ 39.81 20.77 GROUP 18.....\$ 39.91 20.77 GROUP 19.....\$ 40.02 20.77 GROUP 20.....\$ 40.14 20.77 GROUP 21.....\$ 40.31 20.77 GROUP 22.....\$ 40.41 20.77 GROUP 23.....\$ 40.52 20.77 GROUP 24.....\$ 40.64 20.77 GROUP 25.....\$ 40.81 20.77 OPERATOR: Power Equipment (Cranes, Piledriving & Hoisting) GROUP 1.....\$ 37.48 20.77 GROUP 2.....\$ 38.26 20.77 GROUP 3.....\$ 38.55 20.77 GROUP 4.....\$ 38.69 20.77 GROUP 5.....\$ 38.91 20.77 GROUP 6.....\$ 39.02 20.77 GROUP 7.....\$ 39.14 20.77 GROUP 8.....\$ 39.31 20.77 GROUP 9.....\$ 39.48 20.77 GROUP 10.....\$ 40.48 20.77 GROUP 11.....\$ 41.48 20.77 GROUP 12.....\$ 42.48 20.77 GROUP 13.....\$ 43.48 20.77 OPERATOR: Power Equipment (Tunnel Work) GROUP 1.....\$ 37.98 20.77 GROUP 2.....\$ 38.76 20.77 GROUP 3.....\$ 39.05 20.77 GROUP 4.....\$ 39.19 20.77 GROUP 5.....\$ 39.41 20.77 GROUP 6.....\$ 39.52 20.77 GROUP 7.....\$ 39.64 20.77

PREMIUM PAY: \$3.75 per hour shall be paid on all Power Equipment Operator work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort

Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.

## SEE ZONE DEFINITIONS AFTER CLASSIFICATIONS

### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine operator, small auger types (Texoma super economatic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway signalman; Horizontal Directional Drilling Machine; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator, bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter(concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator

(power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine, up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (gunite work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor; Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity); Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

#### GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

#### GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less tha 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth- moving equipment operator (multiple engine, Euclid, Caterpillar and similar type,

over 50 cu. yds. struck); Rubber-tired self-loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator; Remote-control earth-moving equipment operator (operating a second piece of equipment: \$1.00 per hour additional); Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine-up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 50 cu. yds. struck); Tandem tractor operator (operating crawler type tractors in tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps, and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment

operator, operating with the tandem push-pull system (multiple engine, up to and including 25 yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

## CRANES, PILEDRIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including 50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or

similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

## TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel); Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

## ENGINEERS ZONES

\$1.00 additional per hour for all of IMPERIAL County and the portions of KERN, RIVERSIDE & SAN BERNARDINO Counties as defined below:

That area within the following Boundary: Begin in San Bernardino County, approximately 3 miles NE of the intersection of I-15 and the California State line at that point which is the NW corner of Section 1, T17N,m R14E, San Bernardino Meridian. Continue W in a straight line to that point which is the SW corner of the northwest quarter of Section 6, T27S, R42E, Mt. Diablo Meridian. Continue North to the intersection with the Inyo County Boundary at that point which is the NE corner of the western half of the northern quarter of Section 6, T25S, R42E, MDM. Continue W along the Inyo and San Bernardino County boundary until the intersection with Kern County, at that point which is the SE corner of Section 34, T24S, R40E, MDM. Continue W along the Inyo and Kern County boundary until the intersection with Tulare County, at that point which is the SW corner of the SE quarter of Section 32, T24S, R37E, MDM. Continue W along the Kern and Tulare County boundary, until that point which is the NW corner of T25S, R32E, MDM. Continue S following R32E lines to the NW corner of T31S, R32E, MDM.

Continue W to the NW corner of T31S, R31E, MDM. Continue S to the SW corner of T32S, R31E, MDM. Continue W to SW corner of SE quarter of Section 34, T32S, R30E, MDM. Continue S to SW corner of T11N, R17W, SBM. Continue E along south boundary of T11N, SBM to SW corner of T11N, R7W, SBM. Continue S to SW corner of T9N, R7W, SBM. Continue E along south boundary of T9N, SBM to SW corner of T9N, R1E, SBM. Continue S along west boundary of R1E, SBM to Riverside County line at the SW corner of T1S, R1E, SBM. Continue E along south boundary of T1s, SBM (Riverside County Line) to SW corner of T1S, R10E, SBM. Continue S along west boundary of R10E, SBM to Imperial County line at the SW corner of T8S, R10E, SBM. Continue W along Imperial and Riverside county line to NW corner of T9S, R9E, SBM. Continue S along the boundary between Imperial and San Diego Counties, along the west edge of R9E, SBM to the south boundary of Imperial County/California state line. Follow the California state line west to Arizona state line, then north to Nevada state line, then continuing NW back to start at the point which is the NW corner of Section 1, T17N, R14E, SBM

\$1.00 additional per hour for portions of SAN LUIS OBISPO, KERN, SANTA BARBARA & VENTURA as defined below:

That area within the following Boundary: Begin approximately 5 miles north of the community of Cholame, on the Monterey County and San Luis Obispo County boundary at the NW corner of T25S, R16E, Mt. Diablo Meridian. Continue south along the west side of R16E to the SW corner of T30S, R16E, MDM. Continue E to SW corner of T30S, R17E, MDM. Continue S to SW corner of T31S, R17E, MDM. Continue E to SW corner of T31S, R18E, MDM. Continue S along West side of R18E, MDM as it crosses into San Bernardino Meridian numbering area and becomes R30W. Follow the west side of R30W, SBM to the SW corner of T9N, R30W, SBM. Continue E along the south edge of T9N, SBM to the Santa Barbara County and Ventura County boundary at that point which is the SW corner of Section 34. T9N, R24W, SBM, continue S along the Ventura County line to that point which is the SW corner of the SE quarter of Section 32, T7N, R24W, SBM. Continue E along the south edge of T7N, SBM to the SE corner to T7N, R21W, SBM. Continue N along East side of R21W, SBM to Ventura County and Kern County boundary at the NE corner of T8N, R21W. Continue W along the Ventura County and Kern County boundary to the SE corner of T9N, R21W. Continue North along the East edge of R21W, SBM to the NE corner of T12N, R21W, SBM. Continue West along the north edge of T12N, SBM to the SE corner of T32S, R21E, MDM. [T12N SBM is a thin strip between T11N SBM and T32S MDM]. Continue North along the East side of R21E, MDM to the Kings County and Kern County border at the NE corner of T25S, R21E, MDM, continue West along the Kings County and Kern County Boundary until the intersection of San Luis Obispo County. Continue west along the Kings County and San Luis Obispo County boundary until the intersection with Monterey County. Continue West along the Monterey County and San Luis Obispo County boundary to the beginning point at the NW corner of T25S, R16E, MDM.

\$2.00 additional per hour for INYO and MONO Counties and the Northern portion of SAN BERNARDINO County as defined below:

That area within the following Boundary: Begin at the intersection of the northern boundary of Mono County and the California state line at the point which is the center of Section 17, T10N, R22E, Mt. Diablo Meridian. Continue S then SE along the entire western boundary of Mono County, until it reaches Inyo County at the point which is the NE corner of the Western half of the NW quarter of Section 2, T8S, R29E, MDM. Continue SSE along the entire western boundary of Inyo County, until the intersection with Kern County at the point which is the SW corner of the SE 1/4 of Section 32, T24S, R37E, MDM. Continue E along the Inyo and Kern County boundary until the intersection with San Bernardino County at that point which is the SE corner of section 34, T24S, R40E, MDM. Continue E along the Inyo and

San Bernardino County boundary until the point which is the NE corner of the Western half of the NW quarter of Section 6, T25S, R42E, MDM. Continue S to that point which is the SW corner of the NW quarter of Section 6, T27S, R42E, MDM. Continue E in a straight line to the California and Nevada state border at the point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Then continue NW along the state line to the starting point, which is the center of Section 18, T10N, R22E, MDM.

# REMAINING AREA NOT DEFINED ABOVE RECIEVES BASE RATE

----- ENGI0012-004 08/01/2009

Rates	Fringes
OPERATOR: Power Equipment (DREDGING) (1) Leverman.....\$ 44.83	17.22 (2) Dredge
dozer.....\$ 40.36	17.22 (3) Deckmate.....\$ 40.25
	17.22 (4) Winch operator (stern
winch on dredge).....\$ 39.70	17.22 (5) Fireman-Oiler, Deckhand, Bargeman,
Leveehand.....\$ 39.16	17.22 (6) Barge Mate.....\$ 39.77
	17.22 -----
-----	IRON0002-004 07/01/2010

Rates	Fringes
Ironworkers: Fence Erector.....\$ 26.58	15.26 Ornamental, Reinforcing and
Structural.....\$ 33.00	23.73

## PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

----- LABO0300-001 07/01/2011

Rates	Fringes
Brick Tender.....\$ 27.17	16.71 -----
LABO0300-003 07/01/2011	

Rates	Fringes
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LABORER (GUNITE) GROUP 1.....	\$ 30.04	14.20 GROUP 2.....	\$ 29.09
14.20 GROUP 3.....	\$ 25.55	14.20 LABORER (TUNNEL) GROUP 1.....	\$
32.20	15.98 GROUP 2.....	\$ 32.52	15.98 GROUP 3.....
15.98 GROUP 4.....	\$ 33.67	15.98 LABORER GROUP 1.....	\$ 26.33
16.00 GROUP 2.....	\$ 26.88	16.00 GROUP 3.....	\$ 27.43
4.....	\$ 28.98	16.00 GROUP 5.....	\$ 29.33
		16.00	

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a Bosn'n's Chair or suspended from a rope or cable shall receive 40 cents per hour above the foregoing applicable classification rates. Workers doing gunite and/or shotcrete work in a tunnel shall receive 35 cents per hour above the foregoing applicable classification rates, paid on a portal-to-portal basis. Any work performed on, in or above any smoke stack, silo, storage elevator or similar type of structure, when such structure is in excess of 75'-0" above base level and which work must be performed in whole or in part more than 75'-0" above base level, that work performed above the 75'-0" level shall be compensated for at 35 cents per hour above the applicable classification wage rate.

#### LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellow

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

#### TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Bull gang mucker, track person; Changehouse person; Concrete crew, including rodder and spreader; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person

GROUP 2: Chucktender, cabletender; Loading and unloading agitator cars; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.); Vibrator person, jack hammer, pneumatic tools (except driller)

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

#### GUNITE LABORER CLASSIFICATIONS

GROUP 1: Rodmen, Nozzlemen

GROUP 2: Gunmen

GROUP 3: Reboundmen ----- LABO0300-005  
08/05/2009

Rates      Fringes

LABORER PLASTER CLEAN-UP LABORER....\$ 26.65	15.95 PLASTER TENDER.....\$
29.20      15.95 -----	LABO0882-002 01/01/2010

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 26.15	11.65

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos-containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations. -----  
----- LABO1184-001 07/01/2011

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING) (1) Drilling Crew Laborer...	\$ 28.01	
11.48 (2) Vehicle Operator/Hauler.	\$ 28.18	11.48 (3) Horizontal Directional Drill
Operator.....	\$ 30.03	11.48 (4) Electronic Tracking Locator.....
		\$ 32.03
Laborers: (STRIPING/SLURRY SEAL) GROUP 1.....	\$ 28.50	14.56 GROUP
2.....	\$ 29.80	14.56 GROUP 3.....
		\$ 31.81
		14.56 GROUP 4.....
		\$
	33.55	14.56

#### LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment -----  
----- PAIN0036-001 07/01/2011

	Rates	Fringes
Painters: (Including Lead Abatement) (1) Repaint (excludes San Diego County).....	\$ 26.05	
10.35 (2) All Other Work.....	\$ 29.32	10.35

REPAINT of any previously painted structure. Exceptions: work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of

hotel service, and sports facilities. ----- \* PAIN0036-006  
10/05/2011

Rates Fringes

DRYWALL FINISHER/TAPER Antelope Valley North of the following Boundary: Kern County Line  
to Hwy. #5, South of Hwy. #5 to Hwy. N2, East on N2 to Palmdale Blvd., to Hsy. #14, South to Hwy.  
#18, East to Hwy. #395.....\$ 29.19 13.81 Remainder of Los Angeles County.....\$  
33.22 13.81 ----- PAIN0036-015 01/01/2011

Rates Fringes

GLAZIER.....\$ 36.90 21.78

FOOTNOTE: Additional \$1.25 per hour for work in a condor, from the third (3rd) floor and up  
Additional \$1.25 per hour for work on the outside of the building from a swing stage or any suspended  
contrivance, from the ground up ----- PAIN1247-002  
01/01/2010

Rates Fringes

SOFT FLOOR LAYER.....\$ 30.85 10.54 -----  
--- PLAS0200-009 08/01/2011

Rates Fringes

PLASTERER.....\$ 35.29 12.05 -----  
PLAS0500-002 10/01/2011

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 35.38 14.72 -----  
----- PLUM0016-001 07/01/2011

Rates Fringes

PLUMBER/PIPEFITTER (1) Work on strip malls, light commercial, tenant improvement and remodel  
work.....\$ 30.79 16.70 (2) Work on new additions and remodeling of bars, restaurant,  
stores and commercial buildings not to exceed 5,000 sq. ft. of floor space.....\$ 38.30 18.37  
(3) All other work.....\$ 39.50 19.35 -----  
PLUM0345-001 07/01/2011

Rates Fringes

PLUMBER Landscape/Irrigation Fitter.\$ 27.35 16.34 Sewer & Storm Drain Work....\$ 26.82  
18.18 ----- ROOF0036-002 08/01/2011

Rates Fringes

ROOFER.....\$ 34.65 10.71

FOOTNOTE: Pitch premium: Work on which employees are exposed to pitch fumes or required to handle pitch, pitch base or pitch impregnated products, or any material containing coal tar pitch, the entire roofing crew shall receive \$1.75 per hour "pitch premium" pay. -----  
----- SFCA0669-013 04/01/2011

DOES NOT INCLUDE THE CITY OF POMONA, CATALINA ISLAND, AND THAT PART OF LOS ANGELES COUNTY WITHIN 25 MILES OF THE CITY LIMITS OF LOS ANGELES:

	Rates	Fringes
SPRINKLER FITTER.....	\$ 33.35	17.75 -----
--- SFCA0709-005 09/01/2011		

THE CITY OF POMOMA, CATALINA ISLAND, AND THAT PART OF LOS ANGELES COUNTY WITHIN 25 MILES OF THE CITY LIMITS OF LOS ANGELES:

	Rates	Fringes
SPRINKLER FITTER (Fire).....	\$ 40.98	23.15 -----
---- SHEE0105-002 07/01/2011		

LOS ANGELES (South of a straight line between gorman and Big Pines includingg Catalina Island)

	Rates	Fringes
SHEET METAL WORKER (1) Light Commercial: Work on general sheet metal and heating and AC up to 4000 sq ft.....	\$ 25.23	8.19
(2) Modernization : Excluding New Construction - Under 5000 sq. ft. Does not include modification, upgrades, energy management, or conservation improvements of central heating and AC equipment.....	\$ 25.23	8.19 -----
----- SHEE0105-003 07/01/2011		

LOS ANGELES (South of a straight line drawn between Gorman and Big Pines)and Catalina Island, INYO, KERN (Northeast part, East of Hwy 395), MONO ORANGE, RIVERSIDE, AND SAN BERNARDINO COUNTIES

	Rates	Fringes
SHEET METAL WORKER (1) Commercial - New Construction and Remodel work.....	\$ 42.05	19.01
(2) Industrial work including air pollution control systems, noise abatement, hand rails, guard rails, excluding aritechtrual sheet metal work, excluding A-C, heating, ventilating systems for human comfort...\$ 36.16	25.20 -----	SHEE0105-004 07/01/2011

KERN (Excluding portion East of Hwy 395) & LOS ANGELES (North of a straight line drawn between Gorman and Big Pines including Cities of Lancaster and Palmdale) COUNTIES

	Rates	Fringes
SHEET METAL WORKER.....	\$ 36.16	25.20 -----
----- TEAM0011-002 07/01/2008		

	Rates	Fringes
TRUCK DRIVER GROUP 1.....	\$ 26.44	18.24 GROUP 2.....\$ 26.59
18.24 GROUP 3.....	\$ 26.72	18.24 GROUP 4.....\$ 26.91
5.....	\$ 26.94	18.24 GROUP 6.....\$ 26.97
27.22	18.24 GROUP 8.....	\$ 27.47
18.24 GROUP 10.....	\$ 27.97	18.24 GROUP 9.....\$ 27.67
12.....	\$ 28.90	18.24 GROUP 11.....\$ 28.47
	18.24	18.24 GROUP 12.....

WORK ON ALL MILITARY BASES: PREMIUM PAY: \$3.00 per hour additional. [29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3 axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver

GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above -----

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

#### Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters , PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable , i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

#### Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

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### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

\* an existing published wage determination \* a survey underlying a wage determination \* a Wage and Hour Division letter setting forth a position on a wage determination matter \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

## **INFORMATION REGARDING BIDDING MATERIAL, BID GUARANTEE AND BONDS**

(a) Bidding materials consisting of drawings, specifications and contract forms may be obtained by qualified General (Prime) Contractors interested in submitting bids direct to the Department of Veterans Affairs. A maximum of sets may be issued when requested. Up to sets of drawings and specifications will be furnished upon request to subcontractors for their use in preparing subbids for General (Prime) Contractors. Suppliers and subcontractors listed above shall show in their requests the work or equipment for which they intend to prepare subbids.

(b) One set of drawings and specifications may be obtained by Builders Exchanges, Chambers of Commerce, Quantity Surveyors, trade and microfilming organizations.

(c) Bidding materials may be obtained only upon written application to the issuing office. Bidders should allow 5 working days after receipt of their request by the issuing office for reproduction, in addition to mail delivery time when requesting bidding material.

(d) Subcontractors, material firms and others interested in preparing subbids may, upon application to the issuing office, obtain a list of organizations, such as Builders Exchanges, Chambers of Commerce, Contractors and others, who have received bidding materials.

(e) While no deposit will be necessary, return of the bidding material, postage prepaid, to the issuing office within 10 days after date of opening bids will be required. In case no bid is to be submitted, the return of the bidding material, as soon as this fact has been determined and before the date of opening bids, is requested. If you decide not to bid on this project, please advise the issuing office of your reasons (the contracting officer should modify accordingly if a deposit is required).

(f) If the contract will exceed \$100,000 (see FAR 28.102-1 for lesser amount), the bidder to whom award is made will be required to furnish two bonds, a Payment Bond, SF 25A, and a Performance Bond, SF 25, each in the penal sum as noted in the General Conditions of the Specification. Copies of SFs 25 and 25A may be obtained upon application to the issuing office.

### **DESCRIPTION OF WORK:**

**VA262-12-R-0318**

Cost Range: \$25,000.00 to \$100,000.00.

(End of Clause)

**INSTRUCTIONS, CONDITIONS AND OTHER STATEMENTS TO  
BIDDERS/OFFERORS**

**2.1 52.222-5 DAVIS-BACON ACT--SECONDARY SITE OF THE WORK (JUL 2005)**

(a)(1) The offeror shall notify the Government if the offeror intends to perform work at any secondary site of the work, as defined in paragraph (a)(1)(ii) of the FAR clause at 52.222-6, Davis-Bacon Act, of this solicitation.

(2) If the offeror is unsure if a planned work site satisfies the criteria for a secondary site of the work, the offeror shall request a determination from the Contracting Officer.

(b)(1) If the wage determination provided by the Government for work at the primary site of the work is not applicable to the secondary site of the work, the offeror shall request a wage determination from the Contracting Officer.

(2) The due date for receipt of offers will not be extended as a result of an offeror's request for a wage determination for a secondary site of the work.

(End of Provision)

**2.2 52.222-23 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO  
ENSURE EQUAL EMPLOYMENT OPPORTUNITY FOR CONSTRUCTION  
(FEB 1999)**

(a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.

(b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Goals for minority participation for each trade	Goals for female participation for each trade
28.3 %	6.9 %

These goals are applicable to all the Contractor's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the Contractor shall apply the goals established for the geographical area where the work is actually performed. Goals are published periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs office.

(c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action obligations required by the clause entitled "Affirmative Action Compliance Requirements for Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each

trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246, as amended, and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

(d) The Contractor shall provide written notification to the Deputy Assistant Secretary for Federal Contract Compliance, U.S. Department of Labor, within 10 working days following award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the--

- (1) Name, address, and telephone number of the subcontractor;
- (2) Employer's identification number of the subcontractor;
- (3) Estimated dollar amount of the subcontract;
- (4) Estimated starting and completion dates of the subcontract; and
- (5) Geographical area in which the subcontract is to be performed.

(e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is

(End of Provision)

### **2.3 52.225-10 NOTICE OF BUY AMERICAN ACT REQUIREMENT -- CONSTRUCTION MATERIALS (FEB 2009)**

(a) Definitions. "Commercially available off-the-shelf (COTS) item," "construction material," "domestic construction material," and "foreign construction material," as used in this provision, are defined in the clause of this solicitation entitled "Buy American Act--Construction Materials" (Federal Acquisition Regulation (FAR) clause 52.225-9).

(b) Requests for determinations of inapplicability. An offeror requesting a determination regarding the inapplicability of the Buy American Act should submit the request to the Contracting Officer in time to allow a determination before submission of offers. The offeror shall include the information and applicable supporting data required by paragraphs (c) and (d) of the clause at FAR 52.225-9 in the request. If an offeror has not requested a determination regarding the inapplicability of the Buy American Act before submitting its offer, or has not received a response to a previous request, the offeror shall include the information and supporting data in the offer.

(c) Evaluation of offers. (1) The Government will evaluate an offer requesting exception to the requirements of the Buy American Act, based on claimed unreasonable cost of domestic construction material, by adding to the offered price the appropriate percentage of the cost of such foreign construction material, as specified in paragraph (b)(3)(i) of the clause at FAR 52.225-9.

(2) If evaluation results in a tie between an offeror that requested the substitution of foreign construction material based on unreasonable cost and an offeror that did not request an exception, the

Contracting Officer will award to the offeror that did not request an exception based on unreasonable cost.

(d) Alternate offers. (1) When an offer includes foreign solicitation in paragraph (b)(2) of the clause at FAR 52.225-9, the offeror also may submit an alternate offer based on use of equivalent domestic construction material.

(2) If an alternate offer is submitted, the offeror shall submit a separate Standard Form 1442 for the alternate offer, and a separate price comparison table prepared in accordance with paragraphs (c) and (d) of the clause at FAR 52.225-9 for the offer that is based on the use of any foreign construction material for which the Government has not yet determined an exception applies.

(3) If the Government determines that a particular exception requested in accordance with paragraph (c) of the clause at FAR 52.225-9 does not apply, the Government will evaluate only those offers based on use of the equivalent domestic construction material, and the offeror shall be required to furnish such domestic construction material. An offer based on use of the foreign construction material for which an exception was requested--

(i) Will be rejected as nonresponsive if this acquisition is conducted by sealed bidding; or

(ii) May be accepted if revised during negotiations.

(End of Provision)

## **2.4 52.236-27 SITE VISIT (CONSTRUCTION) (FEB 1995) ALTERNATE I (FEB 1995)**

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.

(b) An organized site visit has been scheduled for-

January 31, 2012, 1000

(c) Participants will meet at-

Building 5, 5901 East 7th Street, Long Beach, CA 90822

(End of Provision)

## **2.5 852.211-72 TECHNICAL INDUSTRY STANDARDS (JAN 2008)**

The supplies or equipment required by this invitation for bid or request for proposal must conform to the standards of the 01 00 00 and 07 51 00 as to . The successful bidder or offeror will be required to submit proof that the item(s) he/she furnishes conforms to this requirement. This proof may be in the form of a label or seal affixed to the equipment or supplies, warranting that they have been tested in accordance with and conform to the specified standards. Proof may also be furnished in the form of a certificate from one of the above listed organizations certifying that the item(s) furnished have been tested in accordance with and conform to the specified standards.

(End of Provision)

## **2.6 VAAR 852.215-70 SERVICE-DISABLED VETERAN-OWNED AND VETERAN-OWNED SMALL BUSINESS EVALUATION FACTORS (DEC 2009)**

(a) In an effort to achieve socioeconomic small business goals, depending on the evaluation factors included in the solicitation, VA shall evaluate offerors based on their service-disabled veteran-owned or veteran-owned small business status and their proposed use of eligible service-disabled veteran-owned small businesses and veteran-owned small businesses as subcontractors.

(b) Eligible service-disabled veteran-owned offerors will receive full credit, and offerors qualifying as veteran-owned small businesses will receive partial credit for the Service-Disabled Veteran-Owned and Veteran-owned Small Business Status evaluation factor. To receive credit, an offeror must be registered and verified in Vendor Information Pages (VIP) database. (<http://www.VetBiz.gov>).

(c) Non-veteran offerors proposing to use service-disabled veteran-owned small businesses or veteran-owned small businesses as subcontractors will receive some consideration under this evaluation factor. Offerors must state in their proposals the names of the SDVOSBs and VOSBs with whom they intend to subcontract and provide a brief description of the proposed subcontracts and the approximate dollar values of the proposed subcontracts. In addition, the proposed subcontractors must be registered and verified in the VetBiz.gov VIP database (<http://www.vetbiz.gov>).

(End of Clause)

## **2.7 VAAR 852.270-1 REPRESENTATIVES OF CONTRACTING OFFICERS (JAN 2008)**

The contracting officer reserves the right to designate representatives to act for him/her in furnishing technical guidance and advice or generally monitor the work to be performed under this contract. Such designation will be in writing and will define the scope and limitation of the designee's authority. A copy of the designation shall be furnished to the contractor.

(End of Provision)

## **2.8 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)**

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.acquisition.gov/far/index.html>

<http://www.va.gov/oamm/oa/ars/policyreg/vaar/index.cfm>

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(End of Provision)

52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION	JAN 2004
52.236-28	PREPARATION OF PROPOSALS--CONSTRUCTION	OCT 1997

## REPRESENTATIONS AND CERTIFICATIONS

### 3.1 52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (NOV 2011)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 236220.

(2) The small business size standard is \$33.5 Million.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (d) applies.

☐ (ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)(1) The following representations or certifications in ORCA are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless--

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the clause at 52.204-7, Central Contractor Registration.

(iv) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that--

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(v) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations--Representation. This provision applies to solicitations using funds appropriated in fiscal years 2008, 2009, or 2010.

(vi) 52.209-5, Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(vii) 52.214-14, Place of Performance--Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(viii) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(ix) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(x) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.

(xi) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xiii) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xiv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA-designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xv) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA-designated items.

(xvi) 52.225-2, Buy American Act Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xvii) 52.225-4, Buy American Act--Free Trade Agreements--Israeli Trade Act Certificate. (Basic, Alternate I, and Alternate II) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than \$25,000, the basic provision applies.

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(B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$67,826, the provision with its Alternate II applies.

(xviii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xix) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan--Certification. This provision applies to all solicitations.

(xx) 52.225-25, Prohibition on Contracting with Entities Engaging in Sanctioned Activities Relating to Iran--Representation and Certification. This provision applies to all solicitations.

(xxi) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to--

(A) Solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions; and

(B) For DoD, NASA, and Coast Guard acquisitions, solicitations that contain the clause at 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns.

(2) The following certifications are applicable as indicated by the Contracting Officer:

☐ (i) 52.219-22, Small Disadvantaged Business Status.

☐ (A) Basic.

☐ (B) Alternate I.

☐ (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

☐ (iii) 52.222-48, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment Certification.

☐ (iv) 52.222-52 Exemption from Application of the Service Contract Act to Contracts for Certain Services--Certification.

☐ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Alternate I only).

☐ (vi) 52.227-6, Royalty Information.

☐ (A) Basic.

☐ (B) Alternate I.

☐ (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause #	Title	Date	Change
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Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(End of Provision)

## **GENERAL CONDITIONS**

### **4.1 52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984) ALTERNATE I (APR 1984)**

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 30 days. . The time stated for completion shall include final cleanup of the premises.

The completion date is based on the assumption that the successful offeror will receive the notice to proceed by . The completion date will be extended by the number of calendar days after the above date that the Contractor receives the notice to proceed, except to the extent that the delay in issuance of the notice to proceed results from the failure of the Contractor to execute the contract and give the required performance and payment bonds within the time specified in the offer.

(End of Clause)

### **4.2 52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (APR 2009)**

(a) Definitions. As used in this clause-

Long-term contract means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause. Such a concern is "not dominant in its field of operation" when it does not exercise a controlling or major influence on a national basis in a kind of business activity in which a number of business concerns are primarily engaged. In determining whether dominance exists, consideration shall be given to all appropriate factors, including volume of business, number of employees, financial resources, competitive status or position, ownership or control of materials, processes, patents, license agreements, facilities, sales territory, and nature of business activity.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts-

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the date specified in the contract for exercising any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/services/contractingopportunities/sizestandardstopics/>.

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the rerepresentation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, as necessary, to ensure that they reflect the Contractor's current status. The Contractor shall notify the contracting office in writing within the timeframes specified in paragraph (b) of this clause that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in ORCA, or does not have a representation in ORCA for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it [ ] is, [ ] is not a small business concern under NAICS Code 236220 assigned to contract number .

[Contractor to sign and date and insert authorized signer's name and title].

(End of Clause)

#### **4.3 52.225-9 BUY AMERICAN ACT--CONSTRUCTION MATERIALS (SEP 2010)**

(a) Definitions. As used in this clause--

"Commercially available off-the-shelf (COTS) item"--

(1) Means any item of supply (including construction material) that is--

(i) A commercial item (as defined in paragraph (1) of the definition at FAR 2.101);

(ii) Sold in substantial quantities in the commercial marketplace; and

(iii) Offered to the Government, under a contract or subcontract at any tier, without modification, in the same form in which it is sold in the commercial marketplace; and

(2) Does not include bulk cargo, as defined in section 3 of the Shipping Act of 1984 (46 U.S.C. App. 1702), such as agricultural products and petroleum products.

"Component" means any article, material, or supply incorporated directly into construction material.

"Construction material" means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

"Cost of components" means--

(1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the end product (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

(2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

"Domestic construction material" means--

(1) An unmanufactured construction material mined or produced in the United States;

(2) A construction material manufactured in the United States, if--

(i) The cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic; or

(ii) The construction material is a COTS item.

"Foreign construction material" means a construction material other than a domestic construction material.

"United States" means the 50 States, the District of Columbia, and outlying areas.

(b) Domestic preference.

(1) This clause implements the Buy American Act (41 U.S.C. 10a-10d) by providing a preference for domestic construction material. In accordance with 41 U.S.C. 431, the component test of the Buy American Act is waived for construction material that is a COTS item (See FAR 12.505(a)(2)). The

Contractor shall use only domestic construction material in performing this contract, except as provided in paragraphs (b)(2) and (b)(3) of this clause.

(2) This requirement does not apply to information technology that is a commercial item or to the construction materials or components listed by the Government as follows:

Lead Glass

(3) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(2) of this clause if the Government determines that--

(i) The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the requirements of the Buy American Act is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;

(ii) The application of the restriction of the Buy American Act to a particular construction material would be impracticable or inconsistent with the public interest; or

(iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(c) Request for determination of inapplicability of the Buy American Act.

(1)(i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(3) of this clause shall include adequate information for Government evaluation of the request, including--

(A) A description of the foreign and domestic construction materials;

(B) Unit of measure;

(C) Quantity;

(D) Price;

(E) Time of delivery or availability;

(F) Location of the construction project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

(iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to the Buy American Act applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(3)(i) of this clause.

(3) Unless the Government determines that an exception to the Buy American Act applies, use of foreign construction material is noncompliant with the Buy American Act.

(d) Data. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

FOREIGN AND DOMESTIC CONSTRUCTION MATERIALS PRICE COMPARISON

Construction material description	Unit of Measure (dollars)*	Unit of Quantity	Price
Item 1:			
Foreign construction material	.....	.....	
	.....		
Domestic construction material	.....	.....	
	.....		
Item 2:			
Foreign construction material	.....	.....	
	.....		
Domestic construction material	.....	.....	
	.....		

[List name, address, telephone number, and contact for suppliers surveyed Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

[\*Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]

(End of Clause)

#### **4.4 52.228-13 ALTERNATIVE PAYMENT PROTECTIONS (JULY 2000)**

(a) The Contractor shall submit one of the following payment protections:

(b) The amount of the payment protection shall be 100 percent of the contract price.

(c) The submission of the payment protection is required within days of contract award.

(d) The payment protection shall provide protection for the full contract performance period plus a one-year period.

(e) Except for escrow agreements and payment bonds, which provide their own protection procedures, the Contracting Officer is authorized to access funds under the payment protection when it has been alleged in writing by a supplier of labor or material that a nonpayment has occurred, and to withhold such funds pending resolution by administrative or judicial proceedings or mutual agreement of the parties.

(f) When a tripartite escrow agreement is used, the Contractor shall utilize only suppliers of labor and material that signed the escrow agreement.

(End of Clause)

#### **4.5 VAAR 852.203-70 COMMERCIAL ADVERTISING (JAN 2008)**

The bidder or offeror agrees that if a contract is awarded to him/her, as a result of this solicitation, he/she will not advertise the award of the contract in his/her commercial advertising in such a manner as to state or imply that the Department of Veterans Affairs endorses a product, project or commercial line of endeavor.

(End of Clause)

#### **4.6 852.211-75 PRODUCT SPECIFICATIONS (JAN 2008)**

The products offered under this solicitation shall be type , grade , in accordance with No. , dated and amendment dated , except for paragraphs and which are amended as follows:

(End of Clause)

**4.7 VAAR 852.215-71 EVALUATION FACTOR COMMITMENTS (DEC 2009)**

The offeror agrees, if awarded a contract, to use the service-disabled veteran-owned small businesses or veteran-owned small businesses proposed as subcontractors in accordance with 852.215-70, Service-Disabled Veteran-Owned and Veteran-Owned Small Business Evaluation Factors, or to substitute one or more service-disabled veteran-owned small businesses or veteran-owned small businesses for subcontract work of the same or similar value.

(End of Clause)

**4.8 VAAR 852.236-76 CORRESPONDENCE (APR 1984)**

All correspondence relative to this contract shall bear Specification Number, Project Number, Department of Veterans Affairs Contract Number, title of project and name of facility.

(End of Clause)

**4.9 VAAR 852.236-77 REFERENCE TO "STANDARDS" (JUL 2002)**

Any materials, equipment, or workmanship specified by references to number, symbol, or title of any specific Federal, Industry or Government Agency Standard Specification shall comply with all applicable provisions of such standard specifications, except as limited to type, class or grade, or modified in contract specifications. Reference to "Standards" referred to in the contract specifications, except as modified, shall have full force and effect as though printed in detail in specifications.

(End of Clause)

**4.10 VAAR 852.236-78 GOVERNMENT SUPERVISION (APR 1984)**

(a) The work will be under the direction of the Department of Veterans Affairs contracting officer, who may designate another VA employee to act as resident engineer at the construction site.

(b) Except as provided below, the resident engineer's directions will not conflict with or change contract requirements.

(c) Within the limits of any specific authority delegated by the contracting officer, the resident engineer may, by written direction, make changes in the work. The contractor shall be advised of the extent of such authority prior to execution of any work under the contract.

(End of Clause)

**4.11 VAAR 852.236-80 SUBCONTRACTS AND WORK COORDINATION (APR 1984)**

(a) Nothing contained in this contract shall be construed as creating any contractual relationship between any subcontractor and the Government. Divisions or sections of specifications are not intended to control the contractor in dividing work among subcontractors, or to limit work performed by any trade.

(b) The contractor shall be responsible to the Government for acts and omissions of his/her own employees, and of the subcontractors and their employees. The contractor shall also be responsible for coordination of the work of the trades, subcontractors, and material suppliers.

(c) The Government or its representatives will not undertake to settle any differences between the contractor and subcontractors or between subcontractors.

(d) The Government reserves the right to refuse to permit employment on the work or require dismissal from the work of any subcontractor who, by reason of previous unsatisfactory work on Department of Veterans Affairs projects or for any other reason, is considered by the contracting officer to be incompetent or otherwise objectionable.

(End of Clause)

#### **4.12 VAAR 852.236-82 PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (WITHOUT NAS) (APR 1984)**

(a) Retainage:

(1) The contracting officer may retain funds:

(i) Where performance under the contract has been determined to be deficient or the contractor has performed in an unsatisfactory manner in the past; or

(ii) As the contract nears completion, to ensure that deficiencies will be corrected and that completion is timely.

(2) Examples of deficient performance justifying a retention of funds include, but are not restricted to, the following:

(i) Unsatisfactory progress as determined by the contracting officer;

(ii) Failure to meet schedule in Schedule of Work Progress;

(iii) Failure to present submittals in a timely manner; or

(iv) Failure to comply in good faith with approved subcontracting plans, certifications, or contract requirements.

(3) Any level of retention shall not exceed 10 percent either where there is determined to be unsatisfactory performance, or when the retainage is to ensure satisfactory completion. Retained amounts shall be paid promptly upon completion of all contract requirements, but nothing contained in this subparagraph shall be construed as limiting the contracting officer's right to withhold funds under other provisions of the contract or in accordance with the general law and regulations regarding the administration of Government contracts.

(b) The contractor shall submit a schedule of cost to the contracting officer for approval within 30 calendar days after date of receipt of notice to proceed. Such schedule will be signed and submitted in triplicate. The approved cost schedule will be one of the bases for determining progress payments to the contractor for work completed. This schedule shall show cost by the branches of work for each building or unit of the contract, as instructed by the resident engineer.

(1) The branches shall be subdivided into as many sub-branches as are necessary to cover all component parts of the contract work.

(2) Costs as shown on this schedule must be true costs and, should the resident engineer so desire, he/she may require the contractor to submit the original estimate sheets or other information to substantiate the detailed makeup of the schedule.

(3) The sum of the sub-branches, as applied to each branch, shall equal the total cost of such branch. The total cost of all branches shall equal the contract price.

(4) Insurance and similar items shall be prorated and included in the cost of each branch of the work.

(5) The cost schedule shall include separate cost information for the systems listed in the table in this paragraph (b)(5). The percentages listed below are proportions of the cost listed in the contractor's cost schedule and identify, for payment purposes, the value of the work to adjust, correct and test systems after the material has been installed. Payment of the listed percentages will be made only after the contractor has demonstrated that each of the systems is substantially complete and operates as required by the contract.

#### VALUE OF ADJUSTING, CORRECTING, AND TESTING SYSTEM

System	Percent
Pneumatic tube system.....	10
Incinerators (medical waste and trash).....	5
Sewage treatment plant equipment.....	5
Water treatment plant equipment.....	5
Washers (dish, cage, glass, etc.).....	5
Sterilizing equipment.....	5
Water distilling equipment.....	5
Prefab temperature rooms (cold, constant temperature).....	5
Entire air-conditioning system (Specified under 600 Sections)	5
Entire boiler plant system (specified under 700 Sections) ....	5
General supply conveyors .....	10
Food service conveyors .....	10
Pneumatic soiled linen and trash system .....	10

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Elevators and dumbwaiters .....	10
Materials transport system .....	10
Engine-generator system .....	5
Primary switchgear .....	5
Secondary switchgear .....	5
Fire alarm system .....	5
Nurse call system .....	5
Intercom system .....	5
Radio system .....	5
TV (entertainment) system .....	5

(c) In addition to this cost schedule, the contractor shall submit such unit costs as may be specifically requested. The unit costs shall be those used by the contractor in preparing his/her bid and will not be binding as pertaining to any contract changes.

(d) The contracting officer will consider for monthly progress payments material and/or equipment procured by the contractor and stored on the construction site, as space is available, or at a local approved location off the site, under such terms and conditions as such officer approves, including but not limited to the following:

(1) The material or equipment is in accordance with the contract requirements and/or approved samples and shop drawings.

(2) Only those materials and/or equipment as are approved by the resident engineer for storage will be included.

(3) Such materials and/or equipment will be stored separately and will be readily available for inspection and inventory by the resident engineer.

(4) Such materials and/or equipment will be protected against weather, theft and other hazards and will not be subjected to deterioration.

(5) All of the other terms, provisions, conditions and covenants contained in the contract shall be and remain in full force and effect as therein provided.

(6) A supplemental agreement will be executed between the Government and the contractor with the consent of the contractor's surety for off-site storage.

(e) The contractor, prior to receiving a progress or final payment under this contract, shall submit to the contracting officer a certification that the contractor has made payment from proceeds of prior payments, or that timely payment will be made from the proceeds of the progress or final payment then due, to subcontractors and suppliers in accordance with the contractual arrangements with them.

(f) The Government reserves the right to withhold payment until samples, shop drawings, engineer's certificates, additional bonds, payrolls, weekly statements of compliance, proof of title, nondiscrimination compliance reports, or any other things required by this contract, have been submitted to the satisfaction of the contracting officer.

(End of Clause)

#### **4.13 VAAR 852.236-84 SCHEDULE OF WORK PROGRESS (NOV 1984)**

(a) The contractor shall submit with the schedule of costs, a progress schedule that indicates the anticipated installation of work versus the elapsed contract time, for the approval of the contracting officer. The progress schedule time shall be represented in the form of a bar graph with the contract time plotted along the horizontal axis. The starting date of the schedule shall be the date the contractor receives the "Notice to Proceed." The ending date shall be the original contract completion date. At a minimum, both dates shall be indicated on the progress schedule. The specific item of work, i.e., "Excavation", "Floor Tile", "Finish Carpentry", etc., should be plotted along the vertical axis and indicated by a line or bar at which time(s) during the contract this work is scheduled to take place. The schedule shall be submitted in triplicate and signed by the contractor.

(b) The actual percent completion will be based on the value of installed work divided by the current contract amount. The actual completion percentage will be indicated on the monthly progress report.

(c) The progress schedule will be revised when individual or cumulative time extensions of 15 calendar days or more are granted for any reason. The revised schedule should indicate the new contract completion date and should reflect any changes to the installation time(s) of the items of work affected.

(d) The revised progress schedule will be used for reporting future scheduled percentage completion.

(End of Clause)

#### **4.14 VAAR 852.236-85 SUPPLEMENTARY LABOR STANDARDS PROVISIONS (APR 1984)**

(a) The wage determination decision of the Secretary of Labor is set forth in section GR, General Requirements, of this contract. It is the result of a study of wage conditions in the locality and establishes the minimum hourly rates of wages and fringe benefits for the described classes of labor in accordance with applicable law. No increase in the contract price will be allowed or authorized because of payment of wage rates in excess of those listed.

(b) The contractor shall submit the required copies of payrolls to the contracting officer through the resident engineer or engineer officer, when acting in that capacity. Department of Labor Form WH- 347, Payroll, available from the Superintendent of Documents, Government Printing Office, Washington, DC 20402, may be used for this purpose. If, however, the contractor or subcontractor elects to use an individually composed payroll form, it shall contain the same information shown on Form WH-347, and in addition be accompanied by Department of Labor Form WH-348, Statement of Compliance, or any other form containing the exact wording of this form.

(End of Clause)

#### **4.15 VAAR 852.236-86 WORKER'S COMPENSATION (JAN 2008)**

Public Law 107-217 (40 U.S.C. 3172) authorizes the constituted authority of States to apply their workers compensation laws to all lands and premises owned or held by the United States.

(End of Clause)

#### **4.16 VAAR 852.236-87 ACCIDENT PREVENTION (SEP 1993)**

The Resident Engineer on all assigned construction projects, or other Department of Veterans Affairs employee if designated in writing by the Contracting Officer, shall serve as Safety Officer and as such has authority, on behalf of the Contracting Officer, to monitor and enforce Contractor compliance with FAR 52.236-13, Accident Prevention. However, only the Contracting Officer may issue an order to stop all or part of the work while requiring satisfactory or corrective action to be taken by the Contractor.

(End of Clause)

#### **4.17 VAAR 852.236-88 CONTRACT CHANGES--SUPPLEMENT (JUL 2002)**

(a) Paragraphs (a)(1) through (a)(4) apply to proposed contract changes costing over \$500,000.

(1) When requested by the contracting officer, the contractor shall submit proposals for changes in work to the resident engineer. Proposals, to be submitted as expeditiously as possible but within 30 calendar days after receipt of request, shall be in legible form, original and two copies, with an itemized breakdown that will include material, quantities, unit prices, labor costs (separated into trades), construction equipment, etc. (Labor costs are to be identified with specific material placed or operation performed.) The contractor must obtain and furnish with a proposal an itemized breakdown as described above, signed by each subcontractor participating in the change regardless of tier. When certified cost or pricing data are required under FAR Subpart 15.403, the cost or pricing data shall be submitted in accordance with FAR 15.403-5.

(2) When the necessity to proceed with a change does not allow sufficient time to negotiate a modification or because of failure to reach an agreement, the contracting officer may issue a change order instructing the contractor to proceed on the basis of a tentative price based on the best estimate available at the time, with the firm price to be determined later. Furthermore, when the change order is issued, the contractor shall submit a proposal, which includes the information required by paragraph (a)(1), for cost of changes in work within 30 calendar days.

(3) The contracting officer will consider issuing a settlement by determination to the contract if the contractor's proposal required by paragraphs (a)(1) or (a)(2) of this clause is not received within 30 calendar days or if agreement has not been reached.

(4) Bond premium adjustment, consequent upon changes ordered, will be made as elsewhere specified at the time of final settlement under the contract and will not be included in the individual change.

(b) Paragraphs (b)(1) through (b)(11) apply to proposed contract changes costing \$500,000 or less:

(1) When requested by the contracting officer, the contractor shall submit proposals for changes in work to the resident engineer. Proposals, to be submitted as expeditiously as possible but within 30 calendar days after receipt of request, shall be in legible form, original and two copies, with an itemized breakdown that will include material, quantities, unit prices, labor costs (separated into trades),

construction equipment, etc. (Labor costs are to be identified with specific material placed or operation performed.) The contractor must obtain and furnish with a proposal an itemized breakdown as described above, signed by each subcontractor participating in the change regardless of tier. When certified cost or pricing data or information other than cost or pricing data are required under FAR 15.403, the data shall be submitted in accordance with FAR 15.403-5. No itemized breakdown will be required for proposals amounting to less than \$1,000.

(2) When the necessity to proceed with a change does not allow sufficient time to negotiate a modification or because of failure to reach an agreement, the contracting officer may issue a change order instructing the contractor to proceed on the basis of a tentative price based on the best estimate available at the time, with the firm price to be determined later. Furthermore, when the change order is issued, the contractor shall submit within 30 calendar days, a proposal that includes the information required by paragraph (b)(1) for the cost of the changes in work.

(3) The contracting officer will consider issuing a settlement by determination to the contract if the contractor's proposal required by paragraphs (b)(1) or (b)(2) of this clause is not received within 30 calendar days, or if agreement has not been reached.

(4) Allowances not to exceed 10 percent each for overhead and profit for the party performing the work will be based on the value of labor, material, and use of construction equipment required to accomplish the change. As the value of the change increases, a declining scale will be used in negotiating the percentage of overhead and profit. Allowable percentages on changes will not exceed the following: 10 percent overhead and 10 percent profit on the first \$20,000; 7-1/2 percent overhead and 7-1/2 percent profit on the next \$30,000; 5 percent overhead and 5 percent profit on balance over \$50,000. Profit shall be computed by multiplying the profit percentage by the sum of the direct costs and computed overhead costs.

(5) The prime contractor's or upper-tier subcontractor's fee on work performed by lower-tier subcontractors will be based on the net increased cost to the prime contractor or upper-tier subcontractor, as applicable. Allowable fee on changes will not exceed the following: 10 percent fee on the first \$20,000; 7-1/2 percent fee on the next \$30,000; and 5 percent fee on balance over \$50,000.

(6) Not more than four percentages, none of which exceed the percentages shown above, will be allowed regardless of the number of tiers of subcontractors.

(7) Where the contractor's or subcontractor's portion of a change involves credit items, such items must be deducted prior to adding overhead and profit for the party performing the work. The contractor's fee is limited to the net increase to contractor of subcontractors' portions cost computed in accordance herewith.

(8) Where a change involves credit items only, a proper measure of the amount of downward adjustment in the contract price is the reasonable cost to the contractor if he/she had performed the deleted work. A reasonable allowance for overhead and profit are properly includable as part of the downward adjustment for a deductive change. The amount of such allowance is subject to negotiation.

(9) Cost of Federal Old Age Benefit (Social Security) tax and of Worker's Compensation and Public Liability insurance appertaining to changes are allowable. While no percentage will be allowed thereon for overhead or profit, prime contractor's fee will be allowed on such items in subcontractors' proposals.

(10) Overhead and contractor's fee percentages shall be considered to include insurance other than mentioned herein, field and office supervisors and assistants, security police, use of small tools, incidental job burdens, and general home office expenses and no separate allowance will be made therefore.

Assistants to office supervisors include all clerical, stenographic and general office help. Incidental job burdens include, but are not necessarily limited to, office equipment and supplies, temporary toilets, telephone and conformance to OSHA requirements. Items such as, but not necessarily limited to, review and coordination, estimating and expediting relative to contract changes are associated with field and office supervision and are considered to be included in the contractor's overhead and/or fee percentage.

(11) Bond premium adjustment, consequent upon changes ordered, will be made as elsewhere specified at the time of final settlement under the contract and will not be included in the individual change.

(End of Clause)

#### **4.18 VAAR 852.236-89 BUY AMERICAN ACT (JAN 2008)**

(a) Reference is made to the clause entitled "Buy American Act--Construction Materials," FAR 52.225-9.

(b) Notwithstanding a bidder's right to offer identifiable foreign construction material in its bid pursuant to FAR 52.225-9, VA does not anticipate accepting an offer that includes foreign construction material.

(c) If a bidder chooses to submit a bid that includes foreign construction material, that bidder must provide a listing of the specific foreign construction material he/she intends to use and a price for said material. Bidders must include bid prices for comparable domestic construction material. If VA determines not to accept foreign construction material and no comparable domestic construction material is provided, the entire bid will be rejected.

(d) Any foreign construction material proposed after award will be rejected unless the bidder proves to VA's satisfaction: (1) it was impossible to request the exemption prior to award, and (2) said domestic construction material is no longer available, or (3) where the price has escalated so dramatically after the contract has been awarded that it would be unconscionable to require performance at that price. The determinations required by (1), (2), and (3) of this paragraph shall be made in accordance with Subpart 825.2 and FAR 25.2.

(e) By signing this bid, the bidder declares that all articles, materials and supplies for use on the project shall be domestic unless specifically set forth on the Bid Form or addendum thereto.

(End of Clause)

#### **4.19 VAAR 852.236-91 SPECIAL NOTES (JUL 2002)**

(a) Signing of the bid shall be deemed to be a representation by the bidder that:

(1) Bidder is a construction contractor who owns, operates, or maintains a place of business, regularly engaged in construction, alteration, or repair of buildings, structures, and communications facilities, or other engineering projects, including furnishing and installing of necessary equipment; or

(2) If newly entering into a construction activity, bidder has made all necessary arrangements for personnel, construction equipment, and required licenses to perform construction work; and

(3) Upon request, prior to award, bidder will promptly furnish to the Government a statement of facts in detail as to bidder's previous experience (including recent and current contracts), organization

(including company officers), technical qualifications, financial resources and facilities available to perform the contemplated work.

(b) Unless otherwise provided in this contract, where the use of optional materials or construction is permitted, the same standard of workmanship, fabrication and installation shall be required irrespective of which option is selected. The contractor shall make any change or adjustment in connecting work or otherwise necessitated by the use of such optional material or construction, without additional cost to the Government.

(c) When approval is given for a system component having functional or physical characteristics different from those indicated or specified, it is the responsibility of the contractor to furnish and install related components with characteristics and capacities compatible with the approved substitute component as required for systems to function as noted on drawings and specifications. There shall be no additional cost to the Government.

(d) In some instances it may have been impracticable to detail all items in specifications or on drawings because of variances in manufacturers' methods of achieving specified results. In such instances the contractor will be required to furnish all labor, materials, drawings, services and connections necessary to produce systems or equipment which are completely installed, functional, and ready for operation by facility personnel in accordance with their intended use.

(e) Claims by the contractor for delay attributed to unusually severe weather must be supported by climatological data covering the period and the same period for the 10 preceding years. When the weather in question exceeds in intensity or frequency the 10-year average, the excess experienced shall be considered "unusually severe." Comparison shall be on a monthly basis. Whether or not unusually severe weather in fact delays the work will depend upon the effect of weather on the branches of work being performed during the time under consideration.

(End of Clause)

#### **4.20 VAAR 852.246-74 SPECIAL WARRANTIES (JAN 2008)**

The clause entitled "Warranty of Construction" in FAR 52.246-21 is supplemented as follows:

Any special warranties that may be required under the contract shall be subject to the elections set forth in the FAR clause at 52.246-21, Warranty of Construction, unless otherwise provided for in such special warranties.

(End of Clause)

#### **4.21 VAAR 852.273-76 ELECTRONIC INVOICE SUBMISSION (Interim - October 2008)**

(a) To improve the timeliness of payments and lower overall administrative costs, VA strongly encourages contractors to submit invoices using its electronic invoicing system. At present, electronic submission is voluntary and any nominal registration fees will be the responsibility of the contractor. VA intends to mandate electronic invoice submission, subject to completion of the federal rulemaking process. At present, VA is using a 3rd party agent to contact contractors regarding this service. During the voluntary period, contractors interested in registering for the electronic system should contact the VA's Financial Services Center at <http://www.fsc.va.gov/einvoice.asp>.

**4.22 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.acquisition.gov/far/index.html>

<http://www.va.gov/oamm/oa/ars/policyreg/vaar/index.cfm>

(End of Clause)

52.204-7	CENTRAL CONTRACTOR REGISTRATION	APR 2008
52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS	JUL 2010
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	DEC 2010
52.219-6	NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE	NOV 2011
52.222-3	CONVICT LABOR	JUN 2003
52.222-6	DAVIS-BACON ACT	JUL 2005
52.222-7	WITHHOLDING OF FUNDS	FEB 1988
52.222-8	PAYROLLS AND BASIC RECORDS	JUN 2010
52.222-9	APPRENTICES AND TRAINEES	JUL 2005
52.222-10	COMPLIANCE WITH COPELAND ACT REQUIREMENTS	FEB 1988
52.222-11	SUBCONTRACTS (LABOR STANDARDS)	JUL 2005
52.222-12	CONTRACT TERMINATION - DEBARMENT	FEB 1988
52.222-13	COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS	FEB 1988
52.222-14	DISPUTES CONCERNING LABOR STANDARDS	FEB 1988
52.222-15	CERTIFICATION OF ELIGIBILITY	FEB 1988
52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB 1999
52.222-26	EQUAL OPPORTUNITY	MAR 2007
52.222-27	AFFIRMATIVE ACTION COMPLIANCE REQUIREMENTS FOR CONSTRUCTION	FEB 1999
52.222-35	EQUAL OPPORTUNITY FOR VETERANS	SEP 2010
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	OCT 2010
52.222-37	EMPLOYMENT REPORTS ON VETERANS	SEP 2010
52.222-50	COMBATING TRAFFICKING IN PERSONS	FEB 2009
52.223-5	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION	MAY 2011
52.223-18	ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING	AUG 2011
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JUN 2008
52.227-4	PATENT INDEMNITY--CONSTRUCTION CONTRACTS	DEC 2007
52.228-2	ADDITIONAL BOND SECURITY	OCT 1997

52.228-11	PLEDGES OF ASSETS	SEP 2009
52.228-12	PROSPECTIVE SUBCONTRACTOR REQUESTS FOR BONDS	OCT 1995
52.228-14	IRREVOCABLE LETTER OF CREDIT	DEC 1999
52.232-5	PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS	SEP 2002
52.232-23	ASSIGNMENT OF CLAIMS	JAN 1986
52.232-27	PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS	OCT 2008
52.232-34	PAYMENT BY ELECTRONIC FUNDS TRANSFER-- OTHER THAN CENTRAL CONTRACTOR REGISTRATION	MAY 1999
52.233-1	DISPUTES	JUL 2002
	ALTERNATE I (DEC 1991)	
52.233-3	PROTEST AFTER AWARD	AUG 1996
52.233-4	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM	OCT 2004
52.236-2	DIFFERING SITE CONDITIONS	APR 1984
52.236-3	SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK	APR 1984
52.236-5	MATERIAL AND WORKMANSHIP	APR 1984
52.236-6	SUPERINTENDENCE BY THE CONTRACTOR	APR 1984
52.236-7	PERMITS AND RESPONSIBILITIES	NOV 1991
52.236-8	OTHER CONTRACTS	APR 1984
52.236-9	PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS	APR 1984
52.236-10	OPERATIONS AND STORAGE AREAS	APR 1984
52.236-11	USE AND POSSESSION PRIOR TO COMPLETION	APR 1984
52.236-12	CLEANING UP	APR 1984
52.236-13	ACCIDENT PREVENTION	NOV 1991
52.236-14	AVAILABILITY AND USE OF UTILITY SERVICES	APR 1984
52.236-26	PRECONSTRUCTION CONFERENCE	FEB 1995
52.242-14	SUSPENSION OF WORK	APR 1984
52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	DEC 2010
52.246-21	WARRANTY OF CONSTRUCTION	MAR 1994
52.253-1	COMPUTER GENERATED FORMS	JAN 1991